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793-23541E ✓

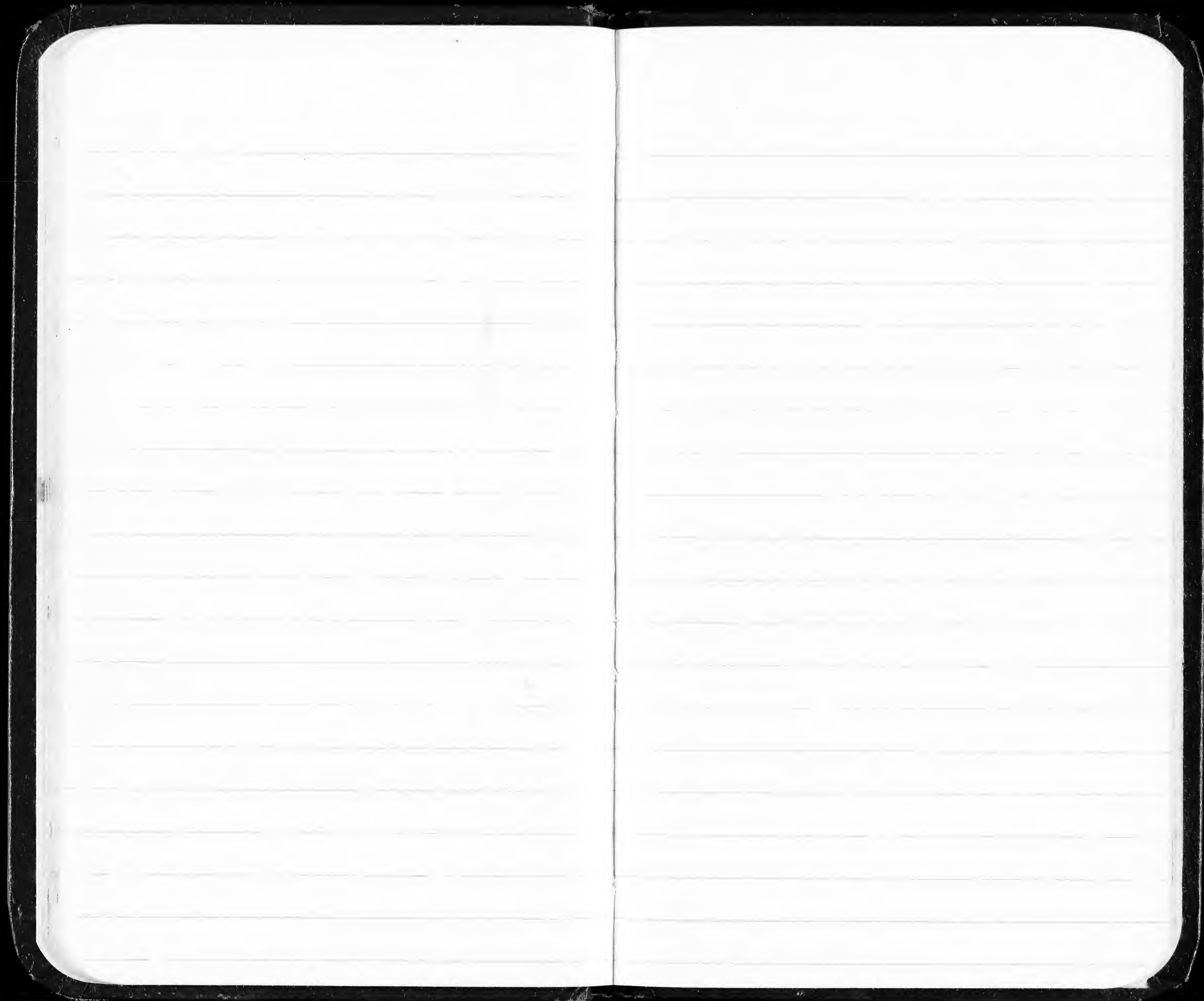
903-08247B

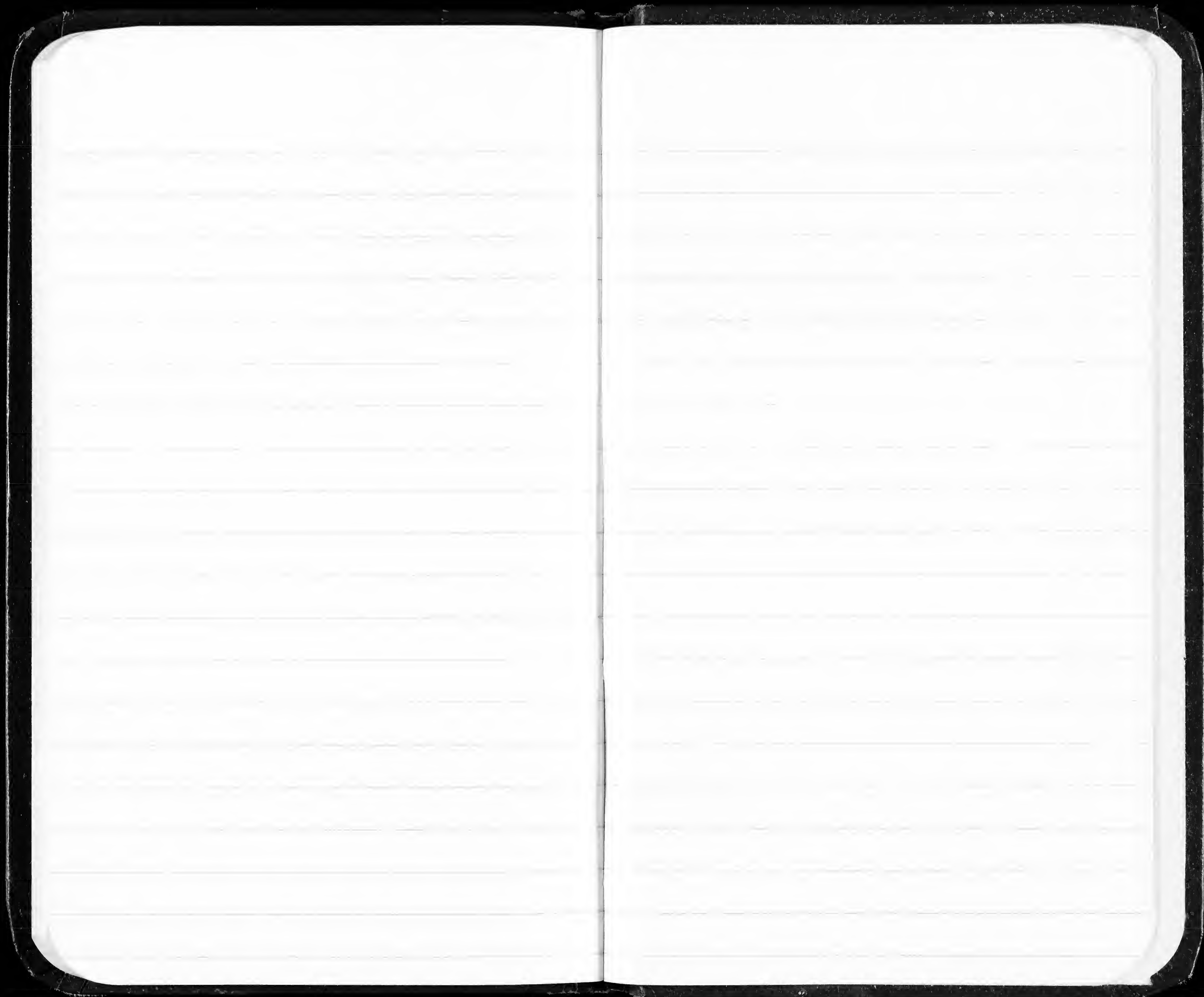
29 June 1967 XIS

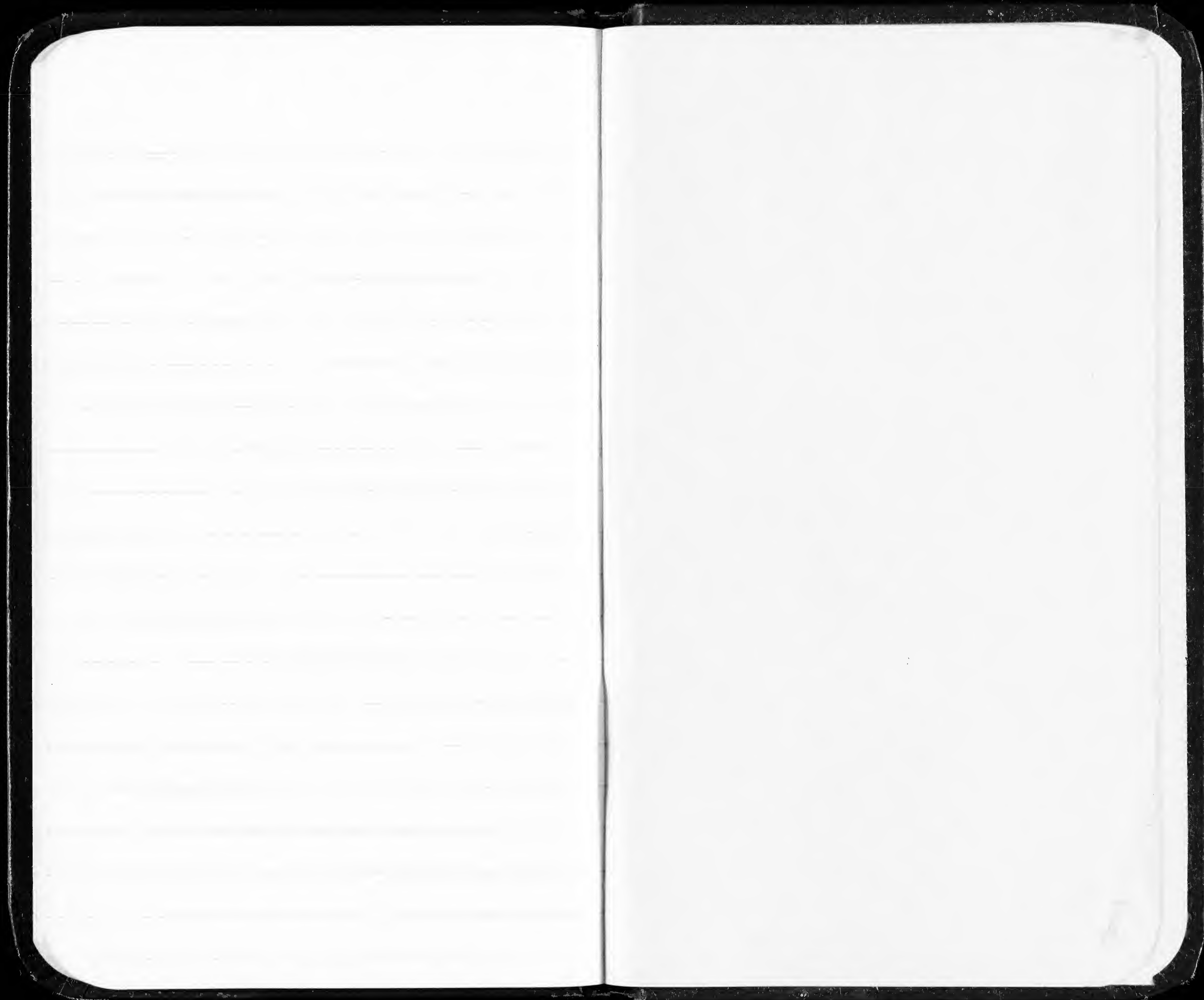
✓ 514-766 79 Bone
across 74 Bone
from
Lab

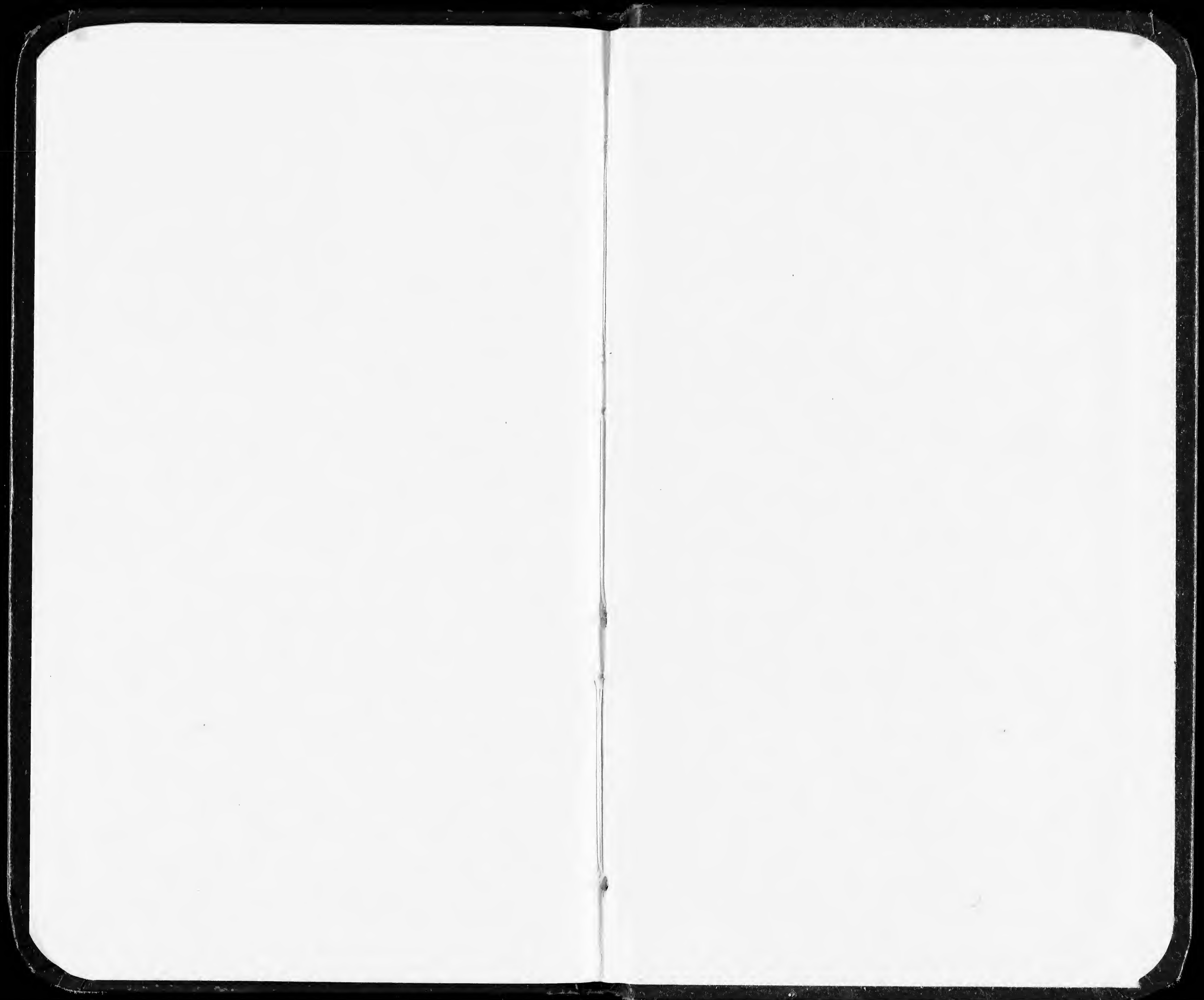
29 June 1967 Sooty Tern NE

903-19501-20000 NY









7530-222-0078

FEDERAL SUPPLY SERVICE



Memoranda

Kune

Kure 1967

Paul Woodward



~~Egg Measurements~~

XZS Shear Nestling
5-6 days in Central Roost
Under Borden Scaevola
+ Scaevola in midlet
of Scaevola

110

+ 4 Repeats
36 Banded

27 June 1967 767-46-

Red footed Booby
All adults =

light phase 935 Ad

767-15506 AWE ✓

767-45505 BAW-B ✓

Repeat 925

767-15576 Ad ✓

~~767~~ 936 AMWE

767-45894 Awn ✓

~~767~~ 937 99753 SAr ✓

737-45428 AM ✓

✓ 767-180945 Aw ✓

737-45331 AFwn ✓

737-91968 A ✓

737-95968 AMwn ✓

737-96865 A ✓

Repeat 921 wn

✓ 767-49192 A ✓

Repeat 922 Fwn

767-45889 Fwn ✓

737-98464 M ✓

on West
Plot

27 June 1967 AFB

937 SAw

✓ 747-55095 Adwn ✓

737-91597 AwE ✓

737-45426 AwN ✓

737-91592 AwN ✓

737-91956 AwE ✓

767-45279 AwN ✓

767-45503 A ✓

938 MWN

939 MWN

737-91556 MWN ✓

✓ 767-48022 SAwB ✓

940 SAB

767-45209 MWN ✓

✓ 767-49114 A ✓

767-45524 A ✓

941 AwN

942 SAw

943 A

697-70 ~~91994~~ AwN ✓

27 June 1967 Red-foot

944 Ad

697-70737 AdwN ✓

945 AdwN

767-45204 AdwE ✓

946 AdwE

737-98486 FwN ✓

947 AdwN

767-45963 MWN ✓

737-99558 FwN ✓

737-98404 AdwN ✓

737-45355 Ad ✓

737-45334 MWE ✓

767-45229 AdwN ✓

767-45944 FwN ✓

948 M 7wN

944-515 Adw-3

952 Adw-3

767-45579 AdwN ✓

953 AdwN

✓ 737-30792 Ad ✓

27 June 1967 RFB

767-45898 Ad ✓

767-45592 AM ✓

737-99549 AF ✓

737-45381 M WE ✓

✓ 737-61321 SAB ✓

737-91576 Awn ✓

767-45205 Mwn ✓

737-98194 A ✓

737-45328 Fwn ✓

767-45879 Mwn ✓

737-98458 Adwn ✓

737-99758 SAB ✓

737-45362 Awn ✓

954 Awe ~~737-99549 Fwn~~ ✓

955 Awe ✓

767-45201 Ad ✓

737-92921 Ad ✓

737-99535 Ad ✓

737-45281 Awn ✓

956 Ad

21 June 1967 Red-footed Booby

957 Ad

958 AdwN

959 AdwN

737-95973 Ad ✓

767-45233 Ad ✓

960 AdwN

767-45846 Saw-3 ✓

767-45941 Ad ✓

767-45537 AdwN ✓

961 Ad

✓ 767-90193 Ad ✓

962 AdwN

963 AdwN

964 Saw

Regent 926

965 Ad

767-45297 AdwN ✓

737-99581 AdwN ✓

737-99536 AdwN ✓

966 AdwN

27 June 1967 Red footed Booby

767-45997 AV ✓

737-99670 SA AA ✓

967 SAB

✓ 757-89781 A ✓

767-45533 Awn ✓

968 AMWE

737-91986 AWE ✓

737-91794 F } ✓
969 M } ✓

970 Awn

767-45296 Awn ✓

— 737-45423 Mwn ✓

697-70704 A

28 June RFB

Recovery

1- 767 45589 Ad

28 June 1967

Red-Tailed Tropicbird

645-12125-43 N-4

Black Streamered

29 June 1967

SANDIS.

Blue-Faced Booby

737-26522 Ad ✓

29 June 1967

~~SAND IS~~
Brown Noddy

903-15467-500 N-4

903-19401-09 N-4

29 June 1967

Red-Tailed Tropicbird

645-12144-154 N-4

Black Streamered

30 June 1967
Red-Tailed Tropic

645-12/55-197WQ

Black Streamer

30 June Laysan Albatross

767-46817-900 N-4

30 June 1967 767-508.
Great Frigate

1-

03 SAIF

3-

04 AF

05-6 SA3+F

737-98196 SA3+ F

07 SAH

08 SA3

09 SAM

767-45792 AF

10-11 SA3-F

587-85364 SAH F

12-13 SA3F

14 SAIF

15 AM

16 AF

17 SAIF

767-45612 AF

18 AM

19 AF

20 AM

30 June RFB
C 0 767-469
d 0
7

2

71A

767-45891 SAW-B

4

72A

73 SAW-B

737-99549 Adw-BTail

5

737-91569 Ad

20 575-74 564 WN ✓
 21 215 WN
 22 575-74-56 WN ✓
 23 216 WE
 24 217—
 25 605-21952 WE ✓

30 June 1967 645-12--
 Red-Tailed Tropicbird

1 Dead ~~201 WE~~
 2 201 WE
 3 202 WE
 4 203 ~~on Nest~~ on Nest
 5 204 —
 6 205 WN
 7 206 nest site
 8 605-21462 WN ✓
 9 605-21247 — ✓
 10 207 WE
 11 208 —
 12 575-745 23 WN ✓
 13 605-21247 — ✓
 14 209 WN
 15 210 WN
 16 211 WN
 17 212 WE
 18 213 —
 19 214 —

30 June

- | | |
|----|------------------------|
| 1 | 218 E |
| 2 | 219 E |
| 3 | 220 — |
| 4 | 221 E |
| 5 | 222 E Rent |
| 6 | 223 E |
| 7 | 635 6240 E ✓ |
| 8 | 635-16221 + 605-2608 ✓ |
| 9 | 224 WN |
| 10 | 635 16121 WE ✓ |
| 11 | 225 WN |
| 12 | 635 16230 WN ✓ |
| 13 | 226 → PWN |
| 14 | 227 → PWN |
| 15 | 228 WN |
| 16 | 229 E |
| 17 | 615-1297 — |
| 18 | 230 E |
| 19 | 231 E |

30 June 1967 BFB

1 - 737-98506 F ✓

2 - ~~737-98506 F~~

3 - 697-55949 F ✓

4 - ~~737-98506 F~~

5 - 737-48582 F ✓

30 June 1967 Great Frigate

767-508..

1-

21 SA1

737-45486 SA3 + F

2-

22 AF

3-

23 AF

5-

24 AF

6-

25 SA1

7-

26 AF

27 SAM

Mottled
Head

30 June RFB

9 0 0
7 0 0
6 0 0

4 ~~737-92881 Ad~~

8 ~~737-98487 Ad~~

1 767-469325 Aw-B

10 ~~737-92877 Ad~~

11 767-469305 Aw-B

12 767-469255 A

13 ~~757-277613 Aw-B~~

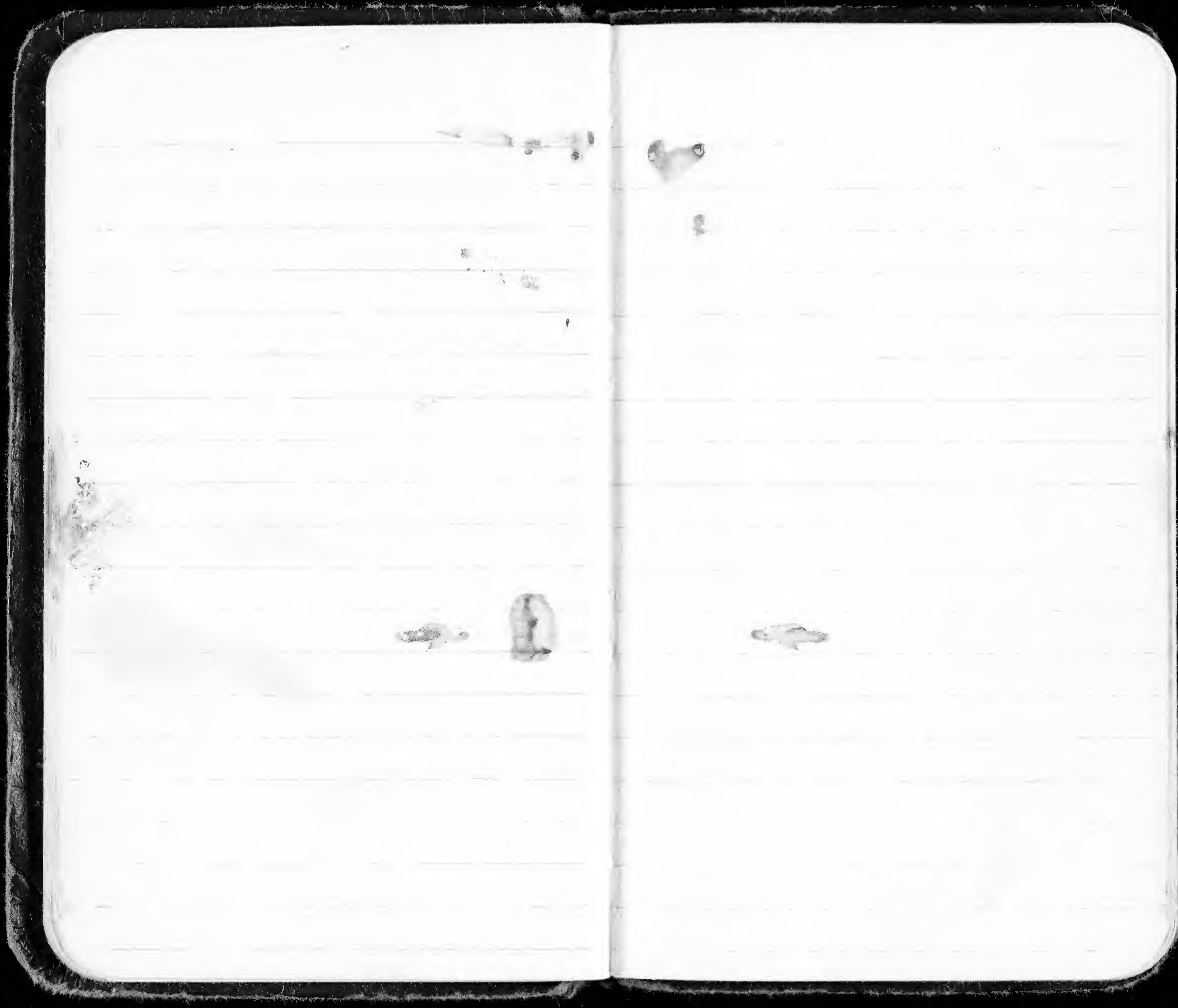
14 ~~737-98194 Ad~~

15 ~~757-99557 Ad~~

16 767 46954 Aw-E

PO June BB

- 1- ~~697-70602FWN~~
- 2- ~~737-92957FWN~~
- 3 ~~697-40686FWN~~
- 4- ~~737-92937F~~
- 5 ~~737-98003FWN~~
- 6 ~~697-72675F~~
- 7 737-45202M
- 8 ~~732-45700F~~
- 9 737-95815M
- 10 ~~737-92979FWN~~



4

2 July 1967 767-50...

Blue faced Booby

~~697-70949 ♀ ✓~~

667-35064 ♀ ✓

667-35062 ♂ ✓

737-45170 ♂ ✓

... 961 ♀

737-45174 ♂ ✓

737-98585 ♀ ✓

737-45188 ♂ ✓

(737-98578 ♂)

737-98532 ♀ ✓

697-70951 ♂ ✓

~~737-45137 ♂~~

~~667-35064 ♀~~

737-98576 ♀ 7pwe

697-70637 ♂

(737-98533 ♀)

(737-98586 ♂)

737-98534 ♂ ✓

(667-35070 ♂)

2 July 1967 Blue-faced booby

737-45103 ♂ ✓

~~667-35034 ♂~~

(737-98592 ♂)

~~737-98594~~

737-98524 ♀ ✓

(737-45173 ♂)

~~667-35063 ♂~~

~~667-35052 ♀~~

667-35043 ♂ ✓

~~667-35049 ♂~~

(737-45199 ♂ AAH)

667-35041 ♂ ✓

(737-98503 ♂)

(737-98519 ♂)

(737-98511 ♀)

~~599-83253 ♂~~

2 July 1967

Gray Back

210 Noddies

243 Fledges

48 AM

49 SA 2+ 108 M

50 F

Little breast band
on side.

587-80013 SA 2 F X

Complete Black feathers on belly
Rthr Some head

(27)

2 July

767-508.0

G. Frigate

737-99596 AF

28 SA 2+ F

29 SA 1 F

30-32 AF

33 AM

34 SA F

35 AF

36 AM

37 SAM mottled
1 day

38 AF

39 AM

40 SA 2 F

41 MWN

42 SAM

43 AM

44 AM

45 AM

767-45713 AF

737-92999 SA 1+ F 110 mn

46-47 SA 2 F

Black-birds - 621

2 July

Red-footed Booby

767-469...

667-39610 Awn

745 Awn-B

737-91988 Ad

767-45553 Ad

75 Mwn

737-99791 M ~~Y~~ Twn

Repeat - 46934 F

767-45838 F

737-98465 Awn

76 Awn

737-98409 Awn

737-95984 Awn

737-95875 Ad

737-92836 Ad

737-96868 Awn

77 Ad

78 Mwn

737-99776 Awn ✓

767-45951 Adwn ✓

79 Wn

2 July 1967 Red-foot

80WE

767-45223 Ad

737-94994 Awn

767-45914 Ad

✓ 757-26078 Ad ✓

737-91586 Awn ✓

81 SAb

82 SAW

83 AWE

699-70989 Awn ✓

767-45300 AWE ✓

737-92905 Ad ✓

737-99532 Ad ✓

737-99551 Awn 67 Ad

Rep. ✓ (757-61321 SAb)

84 Ad

85 SAW

86 Awn

737-99796 SAb

767-45516 SAW

2 July 1967 Red - too bad

737-91059 Ad ^{Bag}
87 Ad wN

737-91552 Ad ✓

737 90630 Ad wN ✓

737-95928 Ad ✓

767-45270 Ad

88 Awn

767-45812 Adult

89 A

737-94665 SA Br ✓

✓ 767-48019 SA w Br ✓

767-45837 Ad

90 AWE

767-45547 Awn

737-99779 SA w Br

737-95981 Awn ✓

3 July 1961 Blue-faced booby

767-50902-36 N-4

3 July 1967

Brown Booby

767-507.3? - 19N-9

~~2107~~

269

2707

3207

339

SAP new 9

3 July 1967

Brown Booby

737-9581707

767-458019

737-9244907

737-9823407

3 July 1967 Blue faced Booby

937 F one black
feather
737-45189M

3 July 1967

Wedge-tailed Shearwater

Right Phase

645-12 042-100-74 Ad

605-21195 add 48

635-16353

625-88608 add 49

615-08309

615-09635

605-21164

635-16622

615-09940 Dark

615-09438 add 71

615-08410 add 72

615-08736 add 75

615-08530 add 98

Belly $\frac{1}{3}$ black - Head w/ bl feathers

3 July 1967 767-508.
Great Frigate

51 SA3 109M

52 SA3 F

53 AM

54 AM

55 SAM

56 AM

57 AF

587-80044 SA2+F

58 SA2

767-46585 AF

59-61 AF

62 AM Gray Brn J

635 A1 F

737-98342 AF

737-45469 FA

~~6758~~

737-92999 SA2 F

Repeat: 50680 P

64 SA2+M

3 July 1967 RFB
edoot

Repeat 757-61321CR

737-94551Ad

737-91583Ad

3 July 1967 Great Frig 767508..

767-45200 SA3F

65 SA2+F

66 SA2M

67 SA1M

68 AM Gray Br ex

69 SA1M

70 SA3M

71 SA1F

72 AM Gray Br ex

73 SA1M

74 AM Gray Br ex

75 SA1M

76 SA2M

77 AF

78 AF

79-80 AM Gray Br ex

4 July 1967

Brown Booby

~~577-832917~~

737-4520207 ✓

737-9823407

new nest near 2 730 ♀ 2E

near 3 69770696 ♀ 2E

731 AM

737-9581407

32

737-4529407 2E ✓

737-959449

(737-969075A ^{almost} AD)

737-4529807 ✓

707-45911 ♀

35055 = 28	✓	(4)
98231 = 30	✓	(7)
98170 = 27	✓	(6)
70921 = 26		(9)
24322 = 31		(8) ✓
70660 = 29		(4) (5)
35044 = 34		(11)
39222 = 33		(12)
35058 = 32		(10)
35028 = 36		(14)
95118 = 35		(13)

4 July 1967 Blue-Faced Booby

737-985089
 737-985829
~~(697-350650)~~
~~737-995919~~
 (697-706570)
 737-985069
 (737-985389)

8

Very little R

Repeat 50508 FSH
50871
833

C = 117 T = ⁴⁴⁵194 W 597

L = 120 T = ⁴⁰⁸180 W 613

73450

~~105~~

105

⁴²⁵185

599

66446

100

⁴¹³180

Molt

105

390

~~185~~

616

122

200 Molt

604

57104-385180 57

4 July

Great Frigatebird

767-508--

✓ 767-434885A/M

C = 122 T = ⁴⁰⁷205 W = 624 81 AF

C = 105 T = ⁴²⁰197 W = 575 82 AM

83 SA2M

84 SA1M

85 SA3F

86 SA2F

87 SA2F

88 SAM

89 SA3F

90 AFWN

91 SAM

92 AFWE

93 AHWN

94 SA3M

95 AM

96 MWF

97 FWN

98 AM

106-184-445 600
73x48 / 101 ⁴²⁰ 185 608
70x48 123 ¹⁷⁰ 440 625
? ⁴⁴⁵ 195 590

↓
108 ⁴⁰¹ 175 590
119 ⁴⁴⁰ 195 624
102 ⁴¹⁰ 175 587
106 ³⁹⁰ 180 594
124 ⁴³⁸ 180 620
106 ³⁹¹ 183 605

Repeat 50670 WNF

120 190-430 627
123 195-415 601
116 450-200 607
110 175-380

4 July 1967 Great Frigatebird

899 AM

900 AMWN

767-45606 AMWN

737-45977 FWE

~~737-45976 AMWN~~

New 767-50938 FWN

939 MWN

940 FWN

941 MWN

942 MWN

943 FWN

944 MWN

945 F

946 SAF

737-45406 AF

947 AM

948-9 AF

950 SAIF

951 FSAIF

767-45123 AM

$$\begin{array}{r}
 2 \\
 46 \\
 73 \\
 69 \\
 25 \\
 \hline
 213
 \end{array}$$

4 July

6 Finsab

952 SA3P

953 AM

954 AF

Repeat - 9675AAR
911
981

4 July 1967 Red footed Booby
767-469..

737-95904 Awn ✓

91A

92A

737-92922 Ad ✓

✓ 767-40270 SAW-✓

93 Ad

✓ 757-25682 SAW-B-✓

737 99543 Ad ✓

737-92912 Awn ✓

697-24598 Ad ✓

✓ 587-85218 SAW-B ✓

94 Ad

737-45138 Ad ✓

767-45815 AM ✓

767-45254 Ad ✓

95 Ad

737-98435 w-BT ad

737-92873 Ad

697-70758 Awn

62x39
60x42

July 1967 ~~Great Frigate~~ RFB

98 Ad RFB

737-45377 Awn

97 ~~SA~~ W-D

98 Ad

99 Awn

737-91680 Ad

737-90612 Ad ^{me B/} spat

100 Miss ^{eg}

Band 767-47001 Awn

Band-767 54901 Awn New

737-90630 Awn

02 Awn

737-91668 Awn

737-91560 Ad

03 Ad

04 Awn

05 A

737-98412 AF

767-45849 A

06 Awn

07 SAW

59x38
60x39.5

Repeat
46 951
973
912

4 July ~~ATB~~ ~~GF~~ RFB

737-45329 Awn

08 SHW-B

767-458965 Awn

09 SAw

767-45248 SAw

737-45446 Awn

✓ 757-27461 SAwB

737-91957 Awn

10 A

767-45543 A ✓

11 Awn

737-91674 A ✓

737-95962 Awn

767-45981 Awn

12 Awn

737-99597 Awn

737-91984 A

13 A
14 Awn

737-99753 SA_{BR}

62x5x40
62x39

62441

65x41.5

4 July RFB

732-92936 Awn

15A

737-91661 Awn ✓

737-91059 Awn

737-92876 Awn ✓

767-48159 ~~767-48159~~ Saw-B

16 Awn

737-91978 Awn

17 Awn

just hatched 18 Awn

767-45252 Awn

767-45262 Awn ✓

737-98490 Awn ✓

19 Awn

737-98482 Awn

767-45285 A

767-45972 Awn

737-91963 Awn

20 SARR

737-91678 A

61x40

Repeat
46910

4 July RFB

21 Awn

767-45566 Awn F>M

22 Mwn

23 Awn

737-98364 Awn

~~767-45572 Awn~~

24 Awn

697-70713 Awn

25 A

26 A

27 A

✓ 737-43519 A

737-91065 A

737-91700 Ad

260

270

~~300~~

~~270~~
~~280~~
~~290~~
~~300~~
~~310~~
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~~870~~
~~880~~
~~890~~
~~900~~
~~910~~
~~920~~
~~930~~
~~940~~
~~950~~
~~960~~
~~970~~
~~980~~
~~990~~
~~1000~~

6 July 1967 Brown Booby
767-5070

~~737-452037~~

720N#14

737-452037

737-924557

~~737-452037~~

♀ new 3 697-706967

~~697-706967~~

Nest new 11 737-452980 wt

33 737-459117 WFE

6 July 1967 Blue faced booby

737 996295A

737-98518F ✓

~~(737-98529F)~~

(737-45178 M)

737-92945F

737-98543F

6 July 1967 Great Frigatebird

767-54900

28 SA3 M

29 SA1 F

30 SAM

31 SA1 M

32 SA1 M

33 SA1 F

34 SA1 F

35 SA1 M

36 AM ^{many} B. least

37 BF

38 AM

39 SA3 F

767-45415 SA3 F

40 SA1 F

41-2 SAM

43 SA3 M

44 AM

45 SA2 M

737 95871 SA2-

Repeat
50807

Red footed

Repeat

46928

73

74

759-26078 Ad-

97

6 July

Great F in 3rd

46-47 AM

48 AM

49 SAIF

50 BY

6 July 1967

Red-Tailed Tropic

645-12198-200 N-d

232-300 N-d

Black Streamed

7 July 1967

Red-footed Booby

767-50955-51000 N-4

except 71, 75, 81, 87
which have adults with
nestlings.

7 July 1967 Red footed Booby
Returns Central Roost

767-45973 wN ✓

767-45913 wN Male ✓

767-45224 wN ✓

767-45850 wN ✓

~~737-97556 wN ✓~~

737-98430 wN ✓

737-91983 wN ✓

737-45341 wN ✓

~~697-90930 wN ✓~~

737-91583 wN ✓

737-45353 wN ✓

737-45974 wN ✓

~~767-45205 wN ✓~~

737-96863 wN ✓

~~737-98458 wN ✓~~

737-45425 wN ✓

~~737-45307 wN ✓~~

~~737-91786 wN ✓~~

~~Red footed Booby~~

~~7 July 1967~~

~~767-50755 51000N-4~~

~~except~~

~~71,~~

7 July 1967

Red-footed Booby

737-45355 Ad ✓

767-45245 SAW ✓

737-91065 Ad ✓

767-45216 A ✓

737-92840 Ad ✓

(737-99753 SHBR) ✓

767-45555 SAW-B

767-481595 AWB

767-45590 SAW-B

Repeats

767-54929

54934

50505

50669

50878

Great Frigate

7 July 1967 767-54929

51SA3F

52SA1F

53SAM+

54-7AF

58SA1F

59SA1F

60-61 AM

597-83374AF

737-92483 AF

737-45406AF

Black Noddy

7 July 1967

682-47254 Ad

255-68A

57A

586A

59-66 Ad

67-85A

69-70 A

71 SA

72 Ad

73-45A

75-85 Ad

632-20558 Ad

642-03817 SA

Red-footed Booby

8 July 1967

minus 30 + 31

767-50722-800 N-U

except 25, 52, 55
which are AdwN

767-54801-25NU

Great Frigatebird

8 July 1967

767-54962-55000 N-d

ex 77 AdWN

767-54826-900 N-d

Brown Booby

8 July 1967

26 737-95944 ♀

27 B0767-50721 ♂

near 737-99804 ♀

~~737-95700 ♀~~

767-45938 ♂

737-99808 ♂

737-95943 ♂

✓ 597-83221 ♀

737-92975 ♀

✓ 587-80857 ♀

Red-footed Booby

8 July 1967 Returns

767-49675M > WN

737-91700F

737-91676 WN

737-98409 WN

White Tern

8 July 1967

682-47297-300N-U

Brown Noddy

8 July 1967

903-19410-500N-4

8 July Black Noddy

682-47286-8 SA

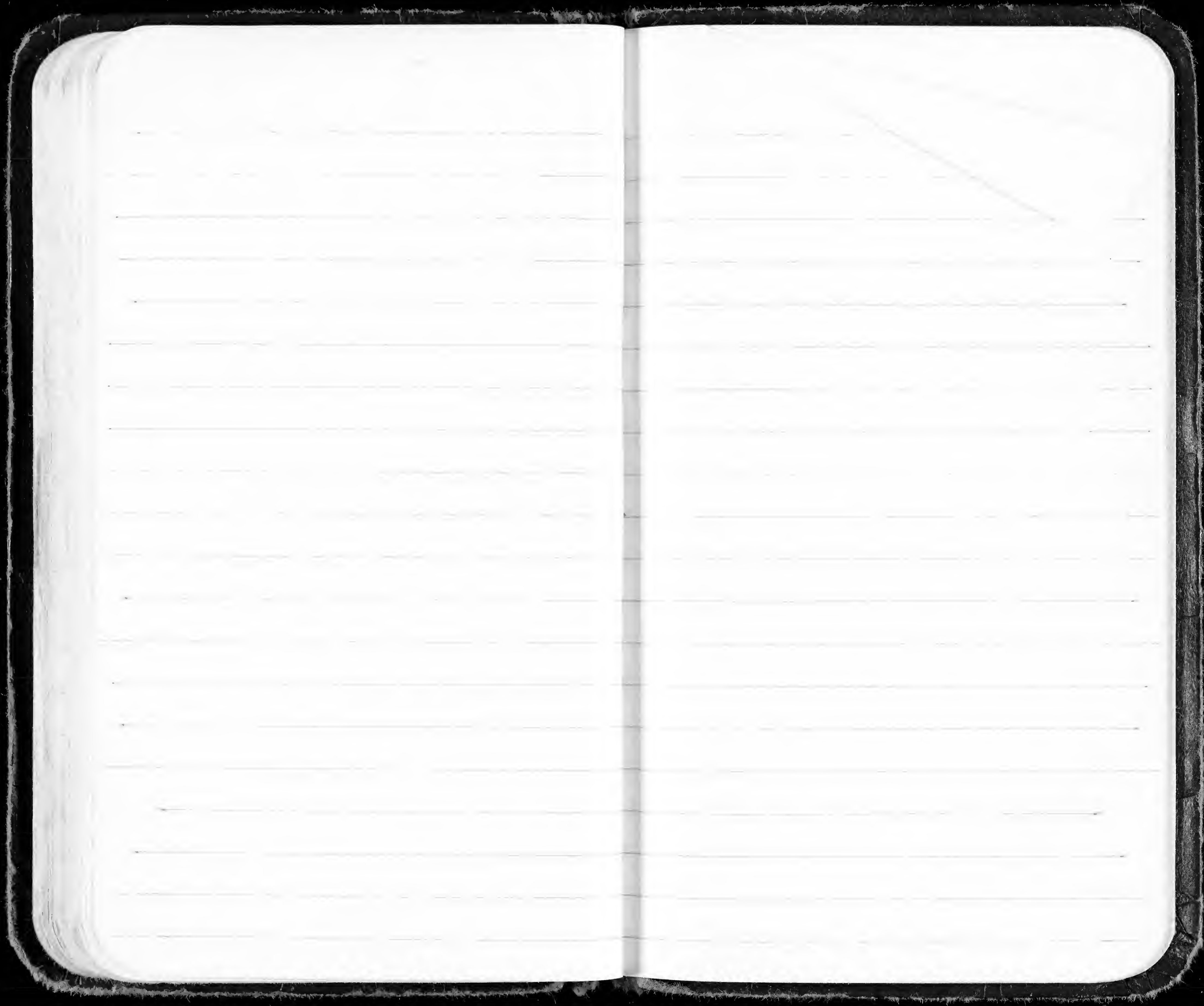
89 Ad

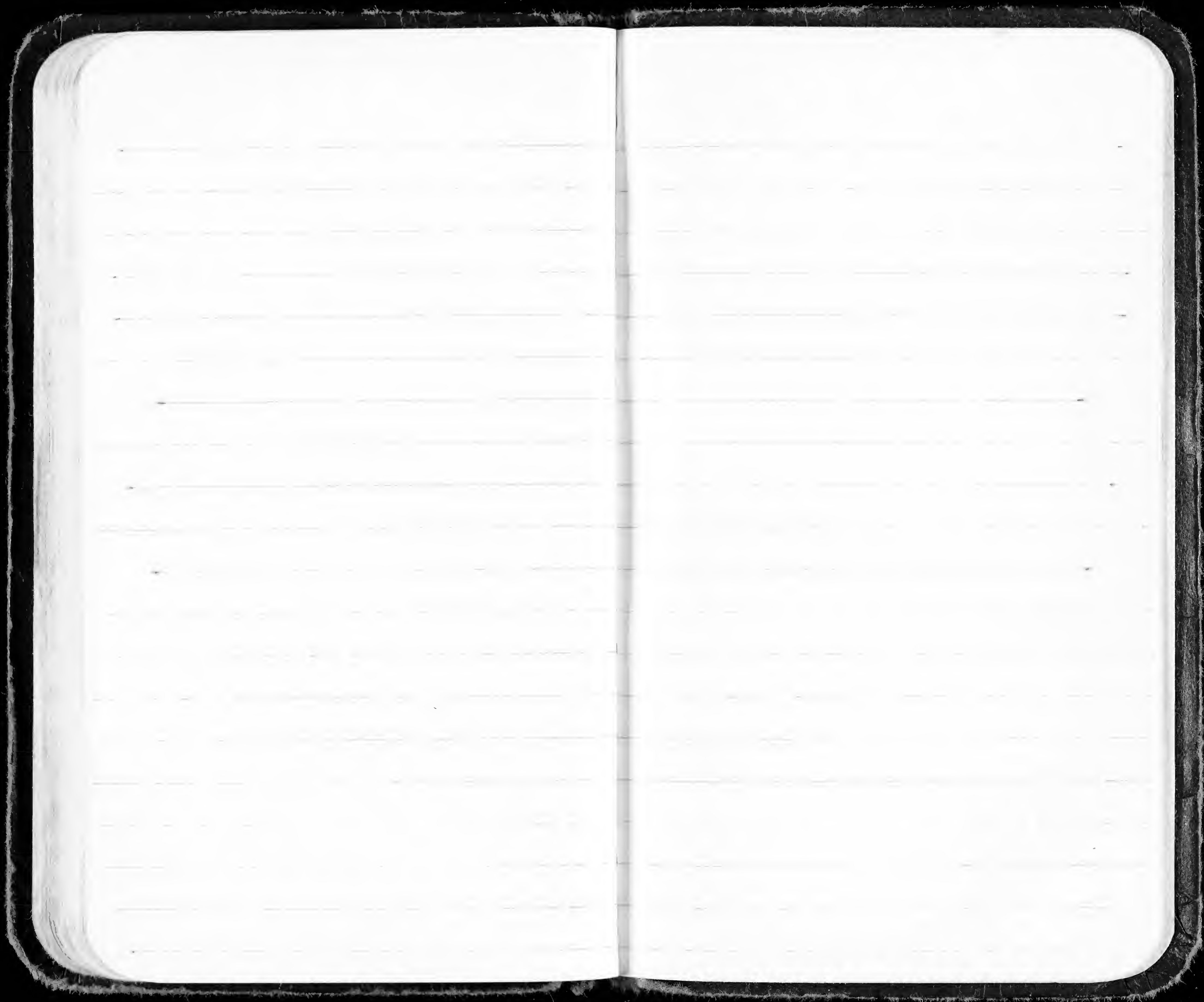
90-2 SA

93-5 Ad

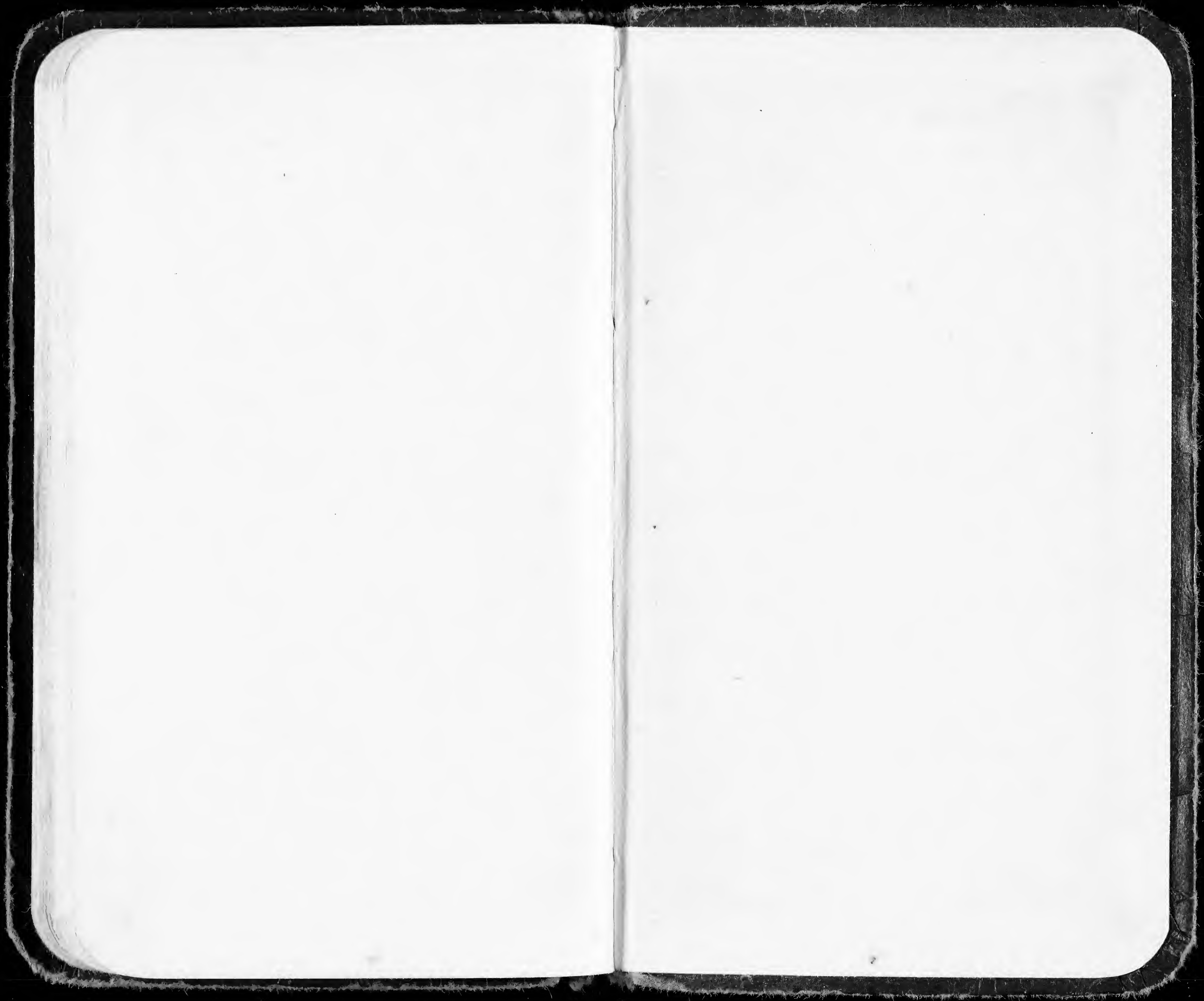
96 SA

662-05087 Ad









7530-222-0078
FEDERAL SUPPLY SERVICE

Memoranda

21

Paul Woodward

Kure

1967

23 June 1967

Sterna fuscata

Central Roost

Nesting in 6 different
areas - 3 adjacent.

Three of these areas
had no nesting birds
last year. One large
area - at the north end
of the colony wasn't
utilized this year.

6 of the seven areas
are essentially open.
Only one area is
really under the Scaev.

~~The~~ ² of the areas
used last year have
a considerable greater
number of nesters this
year - and only one less.

18
19
37
28
75
Eggs

all measurements
in millimeters.

36 x 26 Hunt

✓ 52 x 34	✓ 52 x 36
54 x 36	50 x 36
57 x 34	52 x 36
49 x 36	54 x 35
52 x 36	✓ 51 x 37
50 x 36	✓ 51 x 35
52 x 35	✓ 52 x 34
49 x 37	✓ 50 x 35
52 x 35	✓ 53 x 36
✓ 50 x 35	✓ 51 x 38.5
✓ 50 x 36	✓ 52 x 36
✓ 48 x 34	✓ 50 x 33
✓ 52 x 35	✓ 47 x 35
✓ 50 x 34.5	✓ 47 x 34
✓ 49 x 35	✓ 53 x 37
✓ 49 x 35	✓ 52 x 34
✓ 51 x 35.5	✓ 46 x 35
✓ 52 x 34	✓ 54 x 35
	✓ 51 x 36

23 June 1967

Sooty Tern Egg Measurements

51 x 35	50 x 37
51 x 34	54 x 35
56 x 35	53 x 35
47 x 34	52 x 34
49 x 35	48 x 35
51 x 36	50 x 37
49 x 37	51 x 37
50 x 36	53 x 35
53 x 35	51 x 35
51 x 35	52 x 36
51 x 35	54 x 36
47 x 33	52 x 36
52 x 35	49 x 36
49 x 33	50 x 36
52 x 35	51 x 36
52 x 35	51 x 35
52 x 35	48 x 35
48 x 35	53 x 34
50 x 34	48 x 34

Sooty Tern
Eggs

53x34-

54x37

52x37

51x35

54x34

54x36

49x35

46x34

53x35

49x35

52x34

49x36

53x35

50x37

52x35

49x36

51x36

53x36

51x37

51x37

50x35

52x36

49x35

53x37

52x36

23 June 1967

Sterna fuscata

CR 2 - 2 eggs left 1 new N
CR 1 1/1

Fairy Tern carrying food -
flying over Northern North
Road

One fresh egg in North
Colony

23 June 1967

Sterna lunata

Nesting in green Scaevola
patch along road beaten
down by truck in North
Rook - Scaevola av. 140 cm
tall.

Nest sites

- 1 - Fine Gravel - 70 mm from
base of Scaevola 40 cm
high & broken down in shade
Open
- 2 - 80 mm from base trampled
down Scaevola in shade
fine gravel - 70 cm high
- 3 - Open area - fine gravel -
90 mm from base - trampled
down Scaevola 75 cm
high
- 4 - Shade - fine gravel -
120 cm high 70 mm base

5- Shade - fine gravel 90
mm from base - 125 cm high
5 caeculae

6- Fine gravel - shade
Trampled down 65 cm high
125 mm from base

7- Shade - fine - 120 mm from
Base - 115 cm Tall

8- med fine gravel - shade
140 cm - 70 mm from base

9- ~~150~~ 150 cm - 40 mm from
base med-fine gravel
shade

10- shade - med-fine gravel
12 cm - 200 mm from base
Screened & trampled

26 x 10 and 22 x 7

30 x

78

2340 eggs

206 eggs

96

21

96

172

2016

4356 eggs

24 June 1967

282 foot alba
nestlings at Noto Pt
Good sustained flight
into lagoon.

25 Red-Tailed Tropicbird

5 Down ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~
~~||||~~ ~~||||~~ ||

Med Downy IIII IIII IIII IIII IIII
IIII IIII

Large Dory III + III + II + III + ~~II~~

35- 82-N 276
35-17000 16025

Small feathers ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~
~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ |||

Med Foster ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~

Large feathers **|||||**

G+W - IIII IIII IIII IIII IIII IIII
OG - IIII IIII
Color Phosphor

White ~~2~~ ~~111~~ ~~111~~ ~~111~~ ~~111~~ ~~111~~

Gray White - IIII IIII IIII IIII IIII

Depth - ~~10~~ 11 ~~12~~ 13 ~~14~~

64 W - ~~11~~ ~~11~~ ~~11~~ ~~11~~ ~~11~~ ~~11~~

Trait 1 Beach to Messer 2A
Around Messer III

One bird RTT Benth fled
on wings incubating egg
Not banded

Ad ♂ GF and ST 45
1 min successful

13 GP along NE Beach
2 B plumage
10 RT

24 June 1967

Wedgetail Shear

North Wood

63x39

63x41

62x44

59x40

63x43

62x42

65x39

64x40

62x41

62x43

65x43

62x40

61x43

61x42

63x40.5

66x42

62x41

60x43

63.5x43

65x43

✓ 64x40

✓

✓

✓

✓

✓

✓

✓

✓

✓

Not Measured
Eggs

HH HH

HH HH

~~HH~~

TH TH

HH HH

24 June 1967 Christman Bluffs

Egg

- 55 x 38 piping
 - slight depression on lower
- Under Scaevola 4' tall
10' from edge in shade
moderately thick.

BANDING
24 June 1967

Red-Tail Tropic

635-16982-17000

N-4

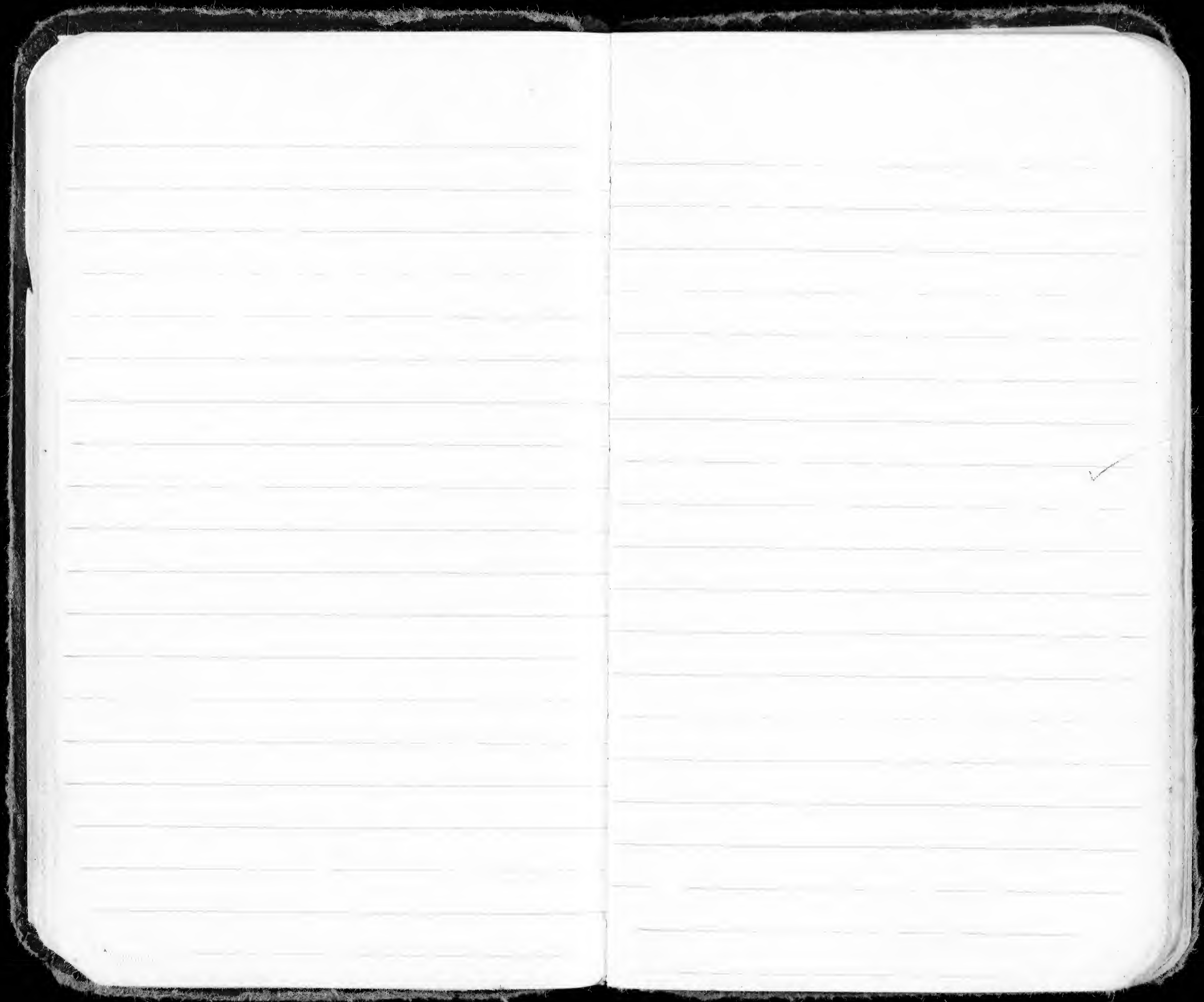
Blacks streamed

26 June

Ad ♀ GF or RFB 1 min Un-
picked up by wing - face of
~~to~~ on ground - no further
chase -

BFA have fledged from
North end of runway

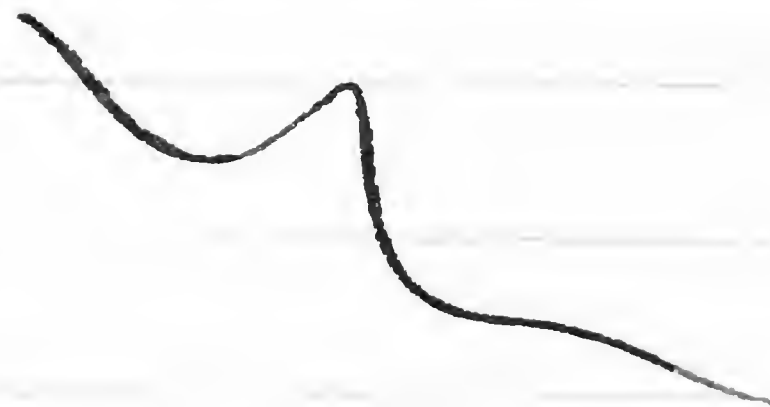
White Tern Nestling
almost fully feathered
along NE Beach Early April



28 June

²
~~One~~ Gray headed young
flying.

24 ± GBT hawking
inths over Verbena



29 June 1967

Green? Turtle - 20" +
Swimming along west shore
near dock. Probably the
same one seen previously.

White Tern nesting
Long NW Beach -
1/2 feathered. mid-April
On Scaevola branch
broken down hollow part
in shade 2' off ground
Relatively open area
2 - On Scaevola branch
dead 10' off ground hollow
in shade flight feathers
in NE Beach. Open late April
Relatively open area

30 June 755

511-76682 Bane

30 June

Egg ~~||||~~ ~~||||~~ ~~||||~~

504 ||||

MDY ||

LDY ~~||~~ ||

GF ~~||||~~

MF ~~||||~~ ~~||||~~

LF |||

30 June

RTTB

ESS ~~IIII~~

SWY 1

NIDY 171

LDY 1

SF 111

MF 1

2F 11

41-N 904
 40-N 903
 47-N 902 No red stales
 48- in immediate
 51- vicinity

47- 75 feet SE from Red 85 No. 6
 ✓ 39 feet between 47 & 48

51- 30 feet from 47
 36 feet from 48.

47- SE 42 feet from Red 85
 51- 48 feet SE from Red 90

51- 75' from 40 West
 40- 48' from West 1170

41- 66 feet from 40
 21' N of Red 90

3 July 1967

SAF



X = new lone egg
 61 x 46
 23" scope
 on vegetation.

41-N 904
 40-N 903
 47-N ... 902 No Red state
 48- in immediate
 51- vicinity

47- 75 feet SE from Red 85
 ✓ 39 feet between 47 & 48

51- 30 feet from 47
 36 feet from 48.

47- SE 42 feet from Red 85
 51- 48 feet SE from Red 90

51- 75' from 40 West
 40- 48' from West #70

41- 66 feet from 40
 21' N of Red 90

2 July 1969
 SAF



X = new lone egg
 61 x 46
 23" scope
 on vegetation.

42-
39 feet from 41 south

42- 7' N of R+Blade Stake 4

43- 21' from 42

42- 21' S of R+BL 4

43- 21' E of R+BL 4

69' from 43-Red 88 in field of Verb. East

43- West of R+BL #6 33 feet.

43- South of ^{R82} 19' Red 80

R81
10'
R+B16 — 18' R+B10
27'
Red 80
#43

42-2E 66.5 x 45 66 x 43

Inside- 23 cm or 9"

26" or 67 cm.

Some Solanum leaves
around ~~inside~~ log a
inside scrape

43-N 905

39-N 906 51' ~~SE~~ SW of R 75

38-E - 45.5 x 59

Inside 27.5 cm or 11"

Outside 80 cm or 31.5"

Some Solanum

15' R+B7

37-N

42-48' East of R+B13

38- 36' East of R 91
3' West of R+B15

37- 21' N of 38 N

36- 21' N of 37 N 907-

34- N 24' SE of 36 908
15' NW of R+B3

35- 15' East of 37

34- 42' NW of R+B3

R+B3 24' West of R+B39

34
3

44 N 909 51' S of #33

33 N 910

45 N 911 102' ESE of #33

46- 25' South of 45

Note: 46-X-45-44-
33 are in midit
of ~~XXXXXX~~ Verb



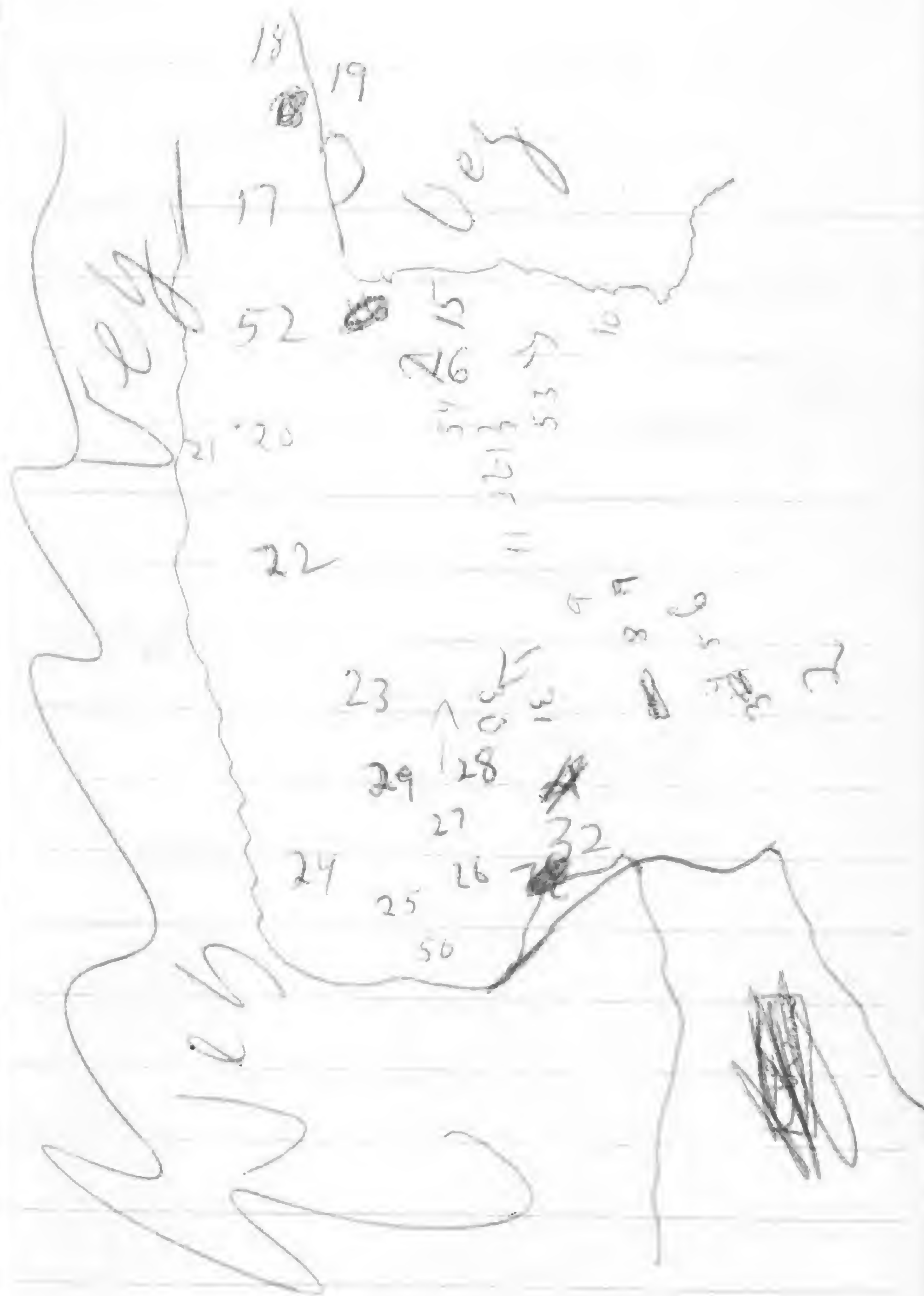
~~R78~~ R79 Broken by in Vicinity

NAF

1=N 912✓

49- Rotten Egg 60x46

1= 80' South RB 9



2N 9/3
 15N 9/4 21' East of R 25
 18N 9/6 20' S of N of 19
 19N 9/5

57 -

16N 9/7 ~~27' N of 15~~ 24' W of #15

52 2E 30' S of 17
 62.5 x 47 68 x 46

Inside 21cm
 Outside 72cm

21N 9/8 30' WNW of 20

20N 35' W of 52
 3' from R+B 17
 12' East of R 37

22N 42' SW of 20
 9/9 4' from R 14

18' S of R+B 20
 30' W of R 36 - ~~34~~
 36' W of R 19

100

R 36

131

RB R4

44

421

3

R 50

R 53

33

R 14

R 16

9/16

R 11

241

141

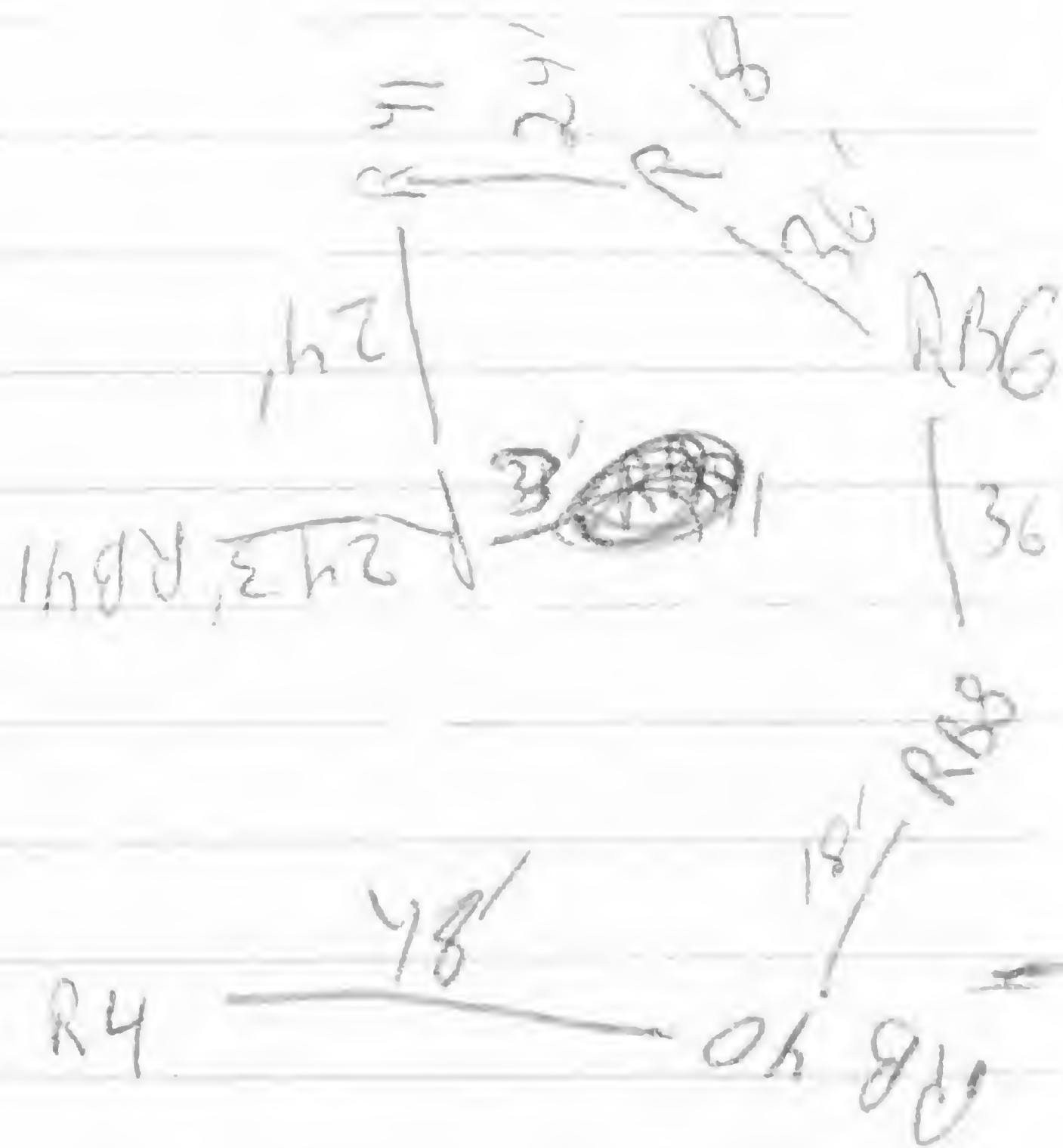
R 18

R 12

R 36 118

↓
S

23 = 3' from R16
 29 N 24' Bof 23
 9' N R2



25N 15 feet E of R 4
17' N of RB 41

50 — 24' S of #25
15' E of R24

24-N-220 RB6 10' SE

32-N-221 10' W of R5

27 N 18' S of R2 922

26 N 923 15' E of 25

28 — 25' E of #27
15' E of RB10
24' NW of RB26

30 — 27' W of #31 924

31 N 5' SW of RB91

227

18
3
59

RB-R 32

29 30'
30'

838



~~2 N 925~~

3 N 926

4 27

5 28/

6

7

8

9

10 932

11

12

13

14

0

#8 33' S of R30

#10 4' from R6

54-

53 - 15' E of RB 16

→ 2

R30 — 36' — R215 — RB23 — 15' R6

2 - 60' East of R20

2107 1407 737- 45202
262 152 7032

2707

32 27

332

1 new 737.9313307

SAF II

SAF

15N

14N 704

20N

13N 705

172E

29E

New 2E

252E

313 2E

Nat

1- out 14" 2" Tail
in 7" Not much veget

Verb Scaevola

Twigs

Solanum

Eggs direct on ground

2- Out 11" Same int
In 7 1/2" Same veg

3- Substain platform

14"

7"

2 1/2" high

Eggs on Veg

Verb

Scaevola

Solanum

Boragin

Brown Booby

SAFE Eggs

x- 63 x 42 62 x 43

29 58 x 41.5

25- 64 x 41 64 x 40

31- 62 x 44 + 64 x 44

17- 68.5 x 44 63 x 42

66 x 44 65 x 45

64 x 43 61 x 43

23N

18N

1N ~~908~~ 708

32 2E

2N 707

New 2E 737 95943 07 not

22 2E 737 9297807

New near ↓

24 2E

2N 908

4N 909

28 2E

5N 910

32? E

6N 911

7N 912

26 2E

34 3E

8N 713

21 N+E ⁷³⁷ 9298107

5N 714

27 2E

33 2E

10N 715

11N 716

12N 717

16N 718

19N 719

12" Out Very little
7" in veg
Scaevola leaves

Some Scaevola Tuberous -

64x43

65x43

5 Little Veg Tuber
Out 14" Scaevola
In 7" Berberis

66x42

64x40

6 - Med am T of Veg
2 1/2" high

Out 12 1/2 In 7"

59x43

59x41

Perzocum

Tuberous
Scaevola

63x43 63x41.5

65x42

7 - Out 14" Very Cray
In 7" Scaevola
2' high Tuber

61x43

65x43

8 - Sub plant
12 1/2" 9"

Scaevola Tuber 2 1/2"

61.5x43 + 65x43

9 - Very little Veg 10 1/2"
Vib Scaevola Tuber 7"

62.5x40 65x42

10 - 12 1/2" Little

I 7 1/2"

Vegetation

Eg Scaevola Tuber

63x42.5

68x43

#3 = SF+

7 = LDY

6 = MF

645-12198-200

232

W-G ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~
|||| |||

OG ~~||||~~ |||

W |||

5 July

~~SW Beach ridge~~
SW Quarter

Eggs ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~
~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~
|||

BDY ~~||||~~ ~~||||~~
MOY ~~||||~~ ~~||||~~
LDY ~~||||~~ ~~||||~~

SE ~~||||~~ ~~||||~~ ~~||||~~
ME ~~||||~~ ~~||||~~ ~~||||~~
LF ~~||||~~

6 July RTTB1

3 N 6 N 9 E

5 N 7 N 10 N

11 E 8 X 12 X

15 E 11 N 1 X

13 X 14 N 2 X

6 July '967 ~~Cont~~ ~~Primary~~ ~~Beach~~
SE
E ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ 1711

GW 11

AG 1

MD 1
LD 1

SF 1

MF 1

LF 111

G + W ~~||||~~ |||

W |||

DG ~~||||~~

6 July 1967 NEV Ogata

Egg ~~||||~~ ||| ~~||||~~ ||

SDY ~~||||~~

MDK |||

LDY |||

SLF |||

MLF |||

LP ~~||||~~ |||

6 July

* IS Nestling 7-10 days
under Scaevola by Mares
on East side of runway

7 July

CR

overcast Rain

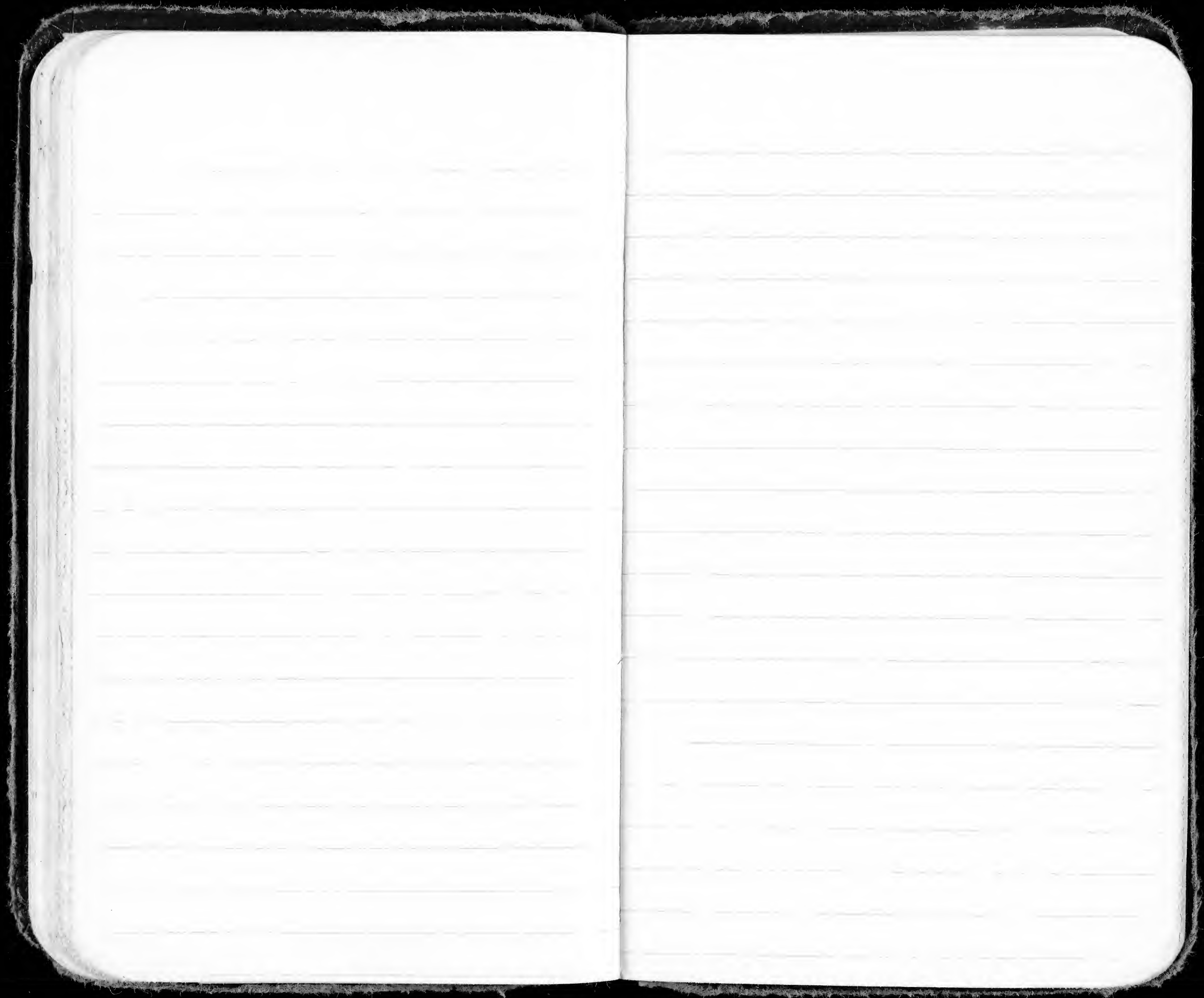
2

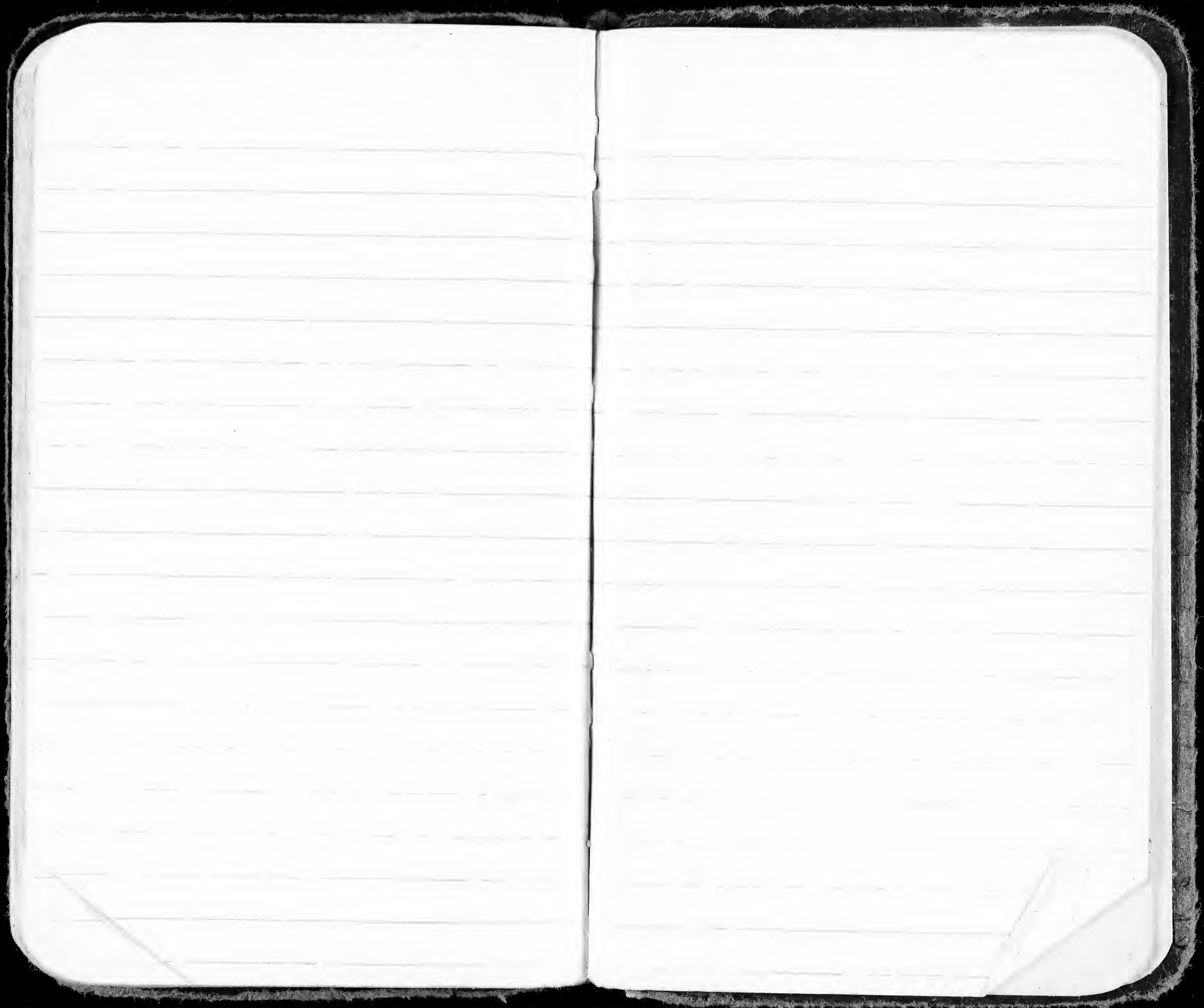
RFB - 173

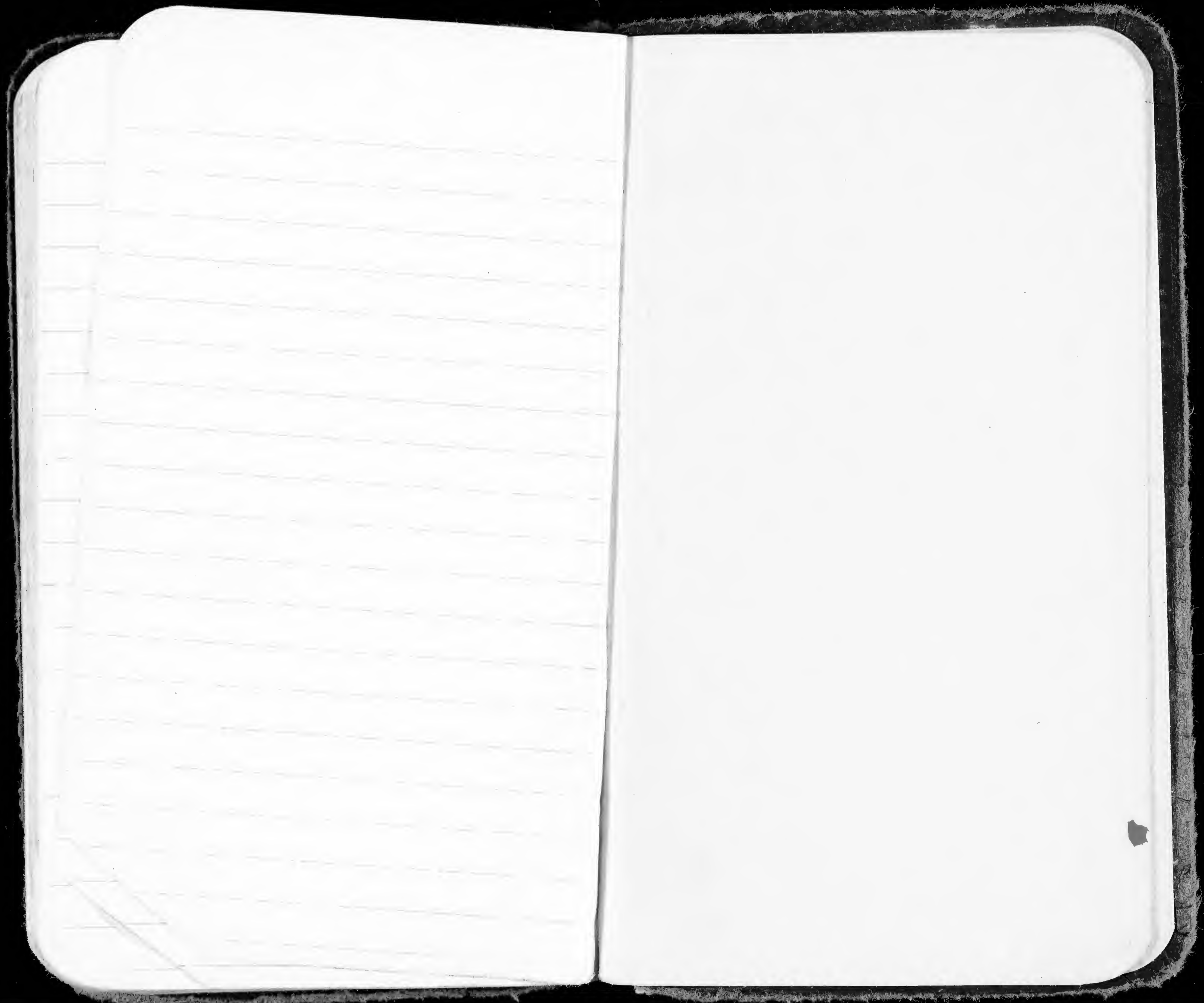
GE - 61

HNT 2000 \pm 500

4-Wandering Tattler on beach
1st seen in long while







W - 741 1

Wob 86 6

DL - 18 1

~~14~~
~~14~~ 86
~~6~~

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Memoranda

Kuma

June - 1967

Bc Noddy
903-19410-500 N-U

Turtle 499 2 July

8 July
ne
small
turtle

ET South Pt.
682-47300-297 N-U

Anous stolidus
DG belly ~~very~~ light
White
Gray Top belly II Bfne light
DG light $\frac{1}{2}$ I Gr $\frac{1}{2}$ belly
DG Top belly II Gr Top light
DG Top light
White w Orange III Gr Head Bel
DG $\frac{1}{2}$ belly III
Gr Head belly
Gr $\frac{1}{2}$ belly II
White with Gray III
Gr top light
DG fore light
DG trace light
Gr Head belly I
BG $\frac{1}{2}$ light
Bl light trace
Gray w White head belly
Gray top belly +
White light

Anous stolidus Eggs

57x36.5

55x37

52x37

Double clutch - 57x37.5

55x37

55x36

56x35

53x37

56x37

55x35

55x37

53x35

55x36

54x35

54x37

52x36

56x37

52x37

56x36

57x34.5

56x36

55x36.5

56x37

54x37

51x37

53x37

6 - In box on ground Open
beach Diameter - 12"
Seaweed Scaevola
Grass Rope

7 Crayon 11" deep
Mat of algae some Scaevola
12" diameter bones
open beach

8 8" diameter mat of algae
Open beach Some Scaevola

9 open Scaevola - Spina + tang
14" dia
30" Scaevola
Spina Bae

10

1 - Under shade of Scaevola
Eggs on sand under ground
by Scaevola + Eragrostis

2 - In open next to small
Scaevola On bare ground
Some algae + Scaevola
next to egg

3 - In open - 7" diameter
Vegetation - Scaevola
Bae

4 - open next to small Scaevola
Large bulbous mat of Scaevola
Scaevola leaves + twigs Under
shell 13" - 6"

5 - In Scaevola - Off ground
18" 9 1/2" diameter 1" deep

Scaevola
Bae

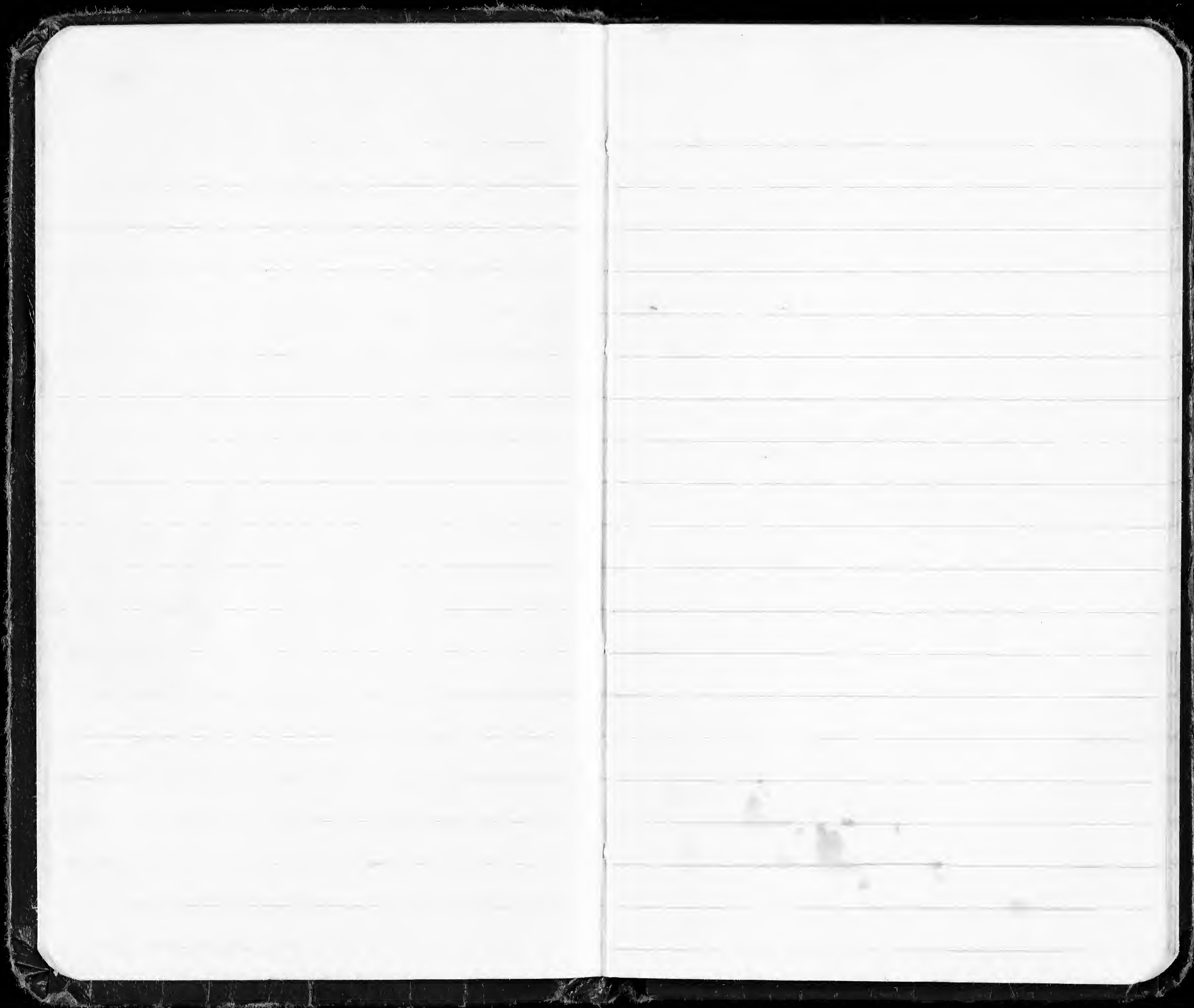
Gygis alba

one long NW Bad flying

In antenna field

$\frac{1}{4}$ feather

8 July 3000 HNT



Unid.

- 1- Oriole - Yellow - Bl throat
- 2- Small finch - ~~blue~~ ^{dark} blue
blue Grassland along canal
Habit of flying up briefly
and then landing again from
exposed branch.
- 3- Small finch of grassland
bluish back - orangish
underparts.

4 Aug Panama Canal

Man. Swallow - 3
Oliv. Cormorant - 3
Spotted Sandpiper - 1
Trop? Kingbird
Kissadee?

Ringed Kingfisher - 2
Large - Blue back. ^{complete} white
collar ~~all around~~ chest. belly.

Silverbill Tanager - 2
Med size - Black + red
Silver bill.

B-G Tanager -
Boat Tailed Grackle

M. ~~saff~~ / ~~her~~ Loch

< Jacana - 1

& ahinga - 1 ♀

Balboa Harbor

Frigate - 10

X White Ibis - 8

Snowy Egret

bill. ♂ Mag Frig has light

Mockingbird - similar to NA ~~form~~
form appears slightly
larger, lighter more white
in tail.

Two to

Barned Antshrike
Silverbill

1. gray
Black Vulture

Junco Finch
Black Finch
Hisadee

Hummer I
Boat-tailed Grackle
Frigate

Trop. Mock.

B-G Tanager

Tody Flycatcher

Ruddy Gr Dove
Parrot

Y. Warbler

August 1967
Cam

1. Euphonia? Yellow under
Yell cro Blue back w ^{some} yell

2. Centurus - 2 full red
Crown and nape

3. Flycatcher - King size white
slight crest - wing bars
brownish - light yellow belly
white eye ring.

4. Cuckid? - small yell. green
darkish wings red-size bill
slight decurved. White rump
Red legs.

5. Cuckoo? 9-10" Stocked

white brown F only long 7 2
slat black

typical short-billed

very small bill at base
all the way

6 Dove - slight sm than H Dove

Square Tail deep gray back
light gray under Bl marks on
wing. Edge of woods

Hummer - Rufous wings Tail
Purplish the Blunt back?
Med size.

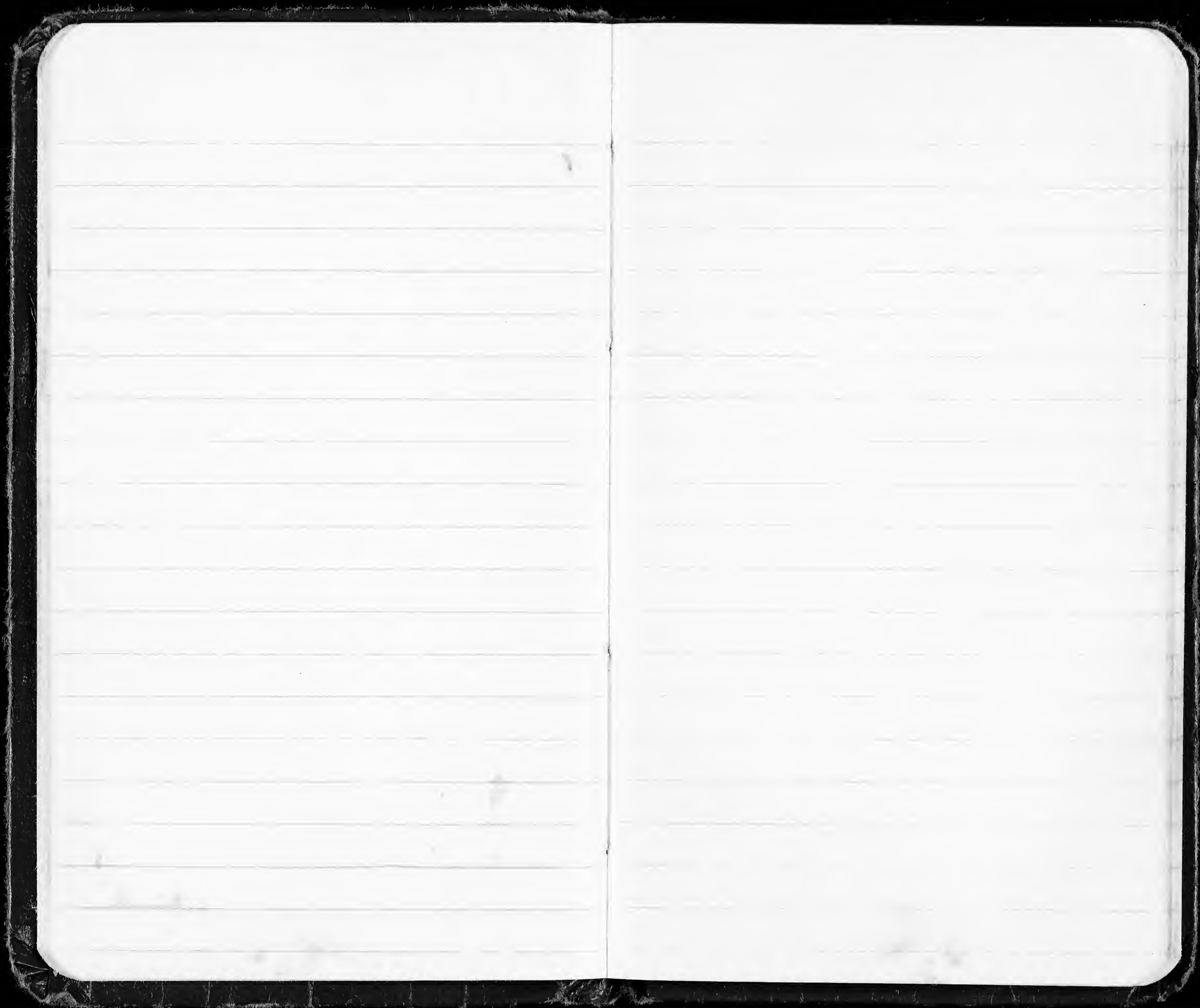
8 Hummer -

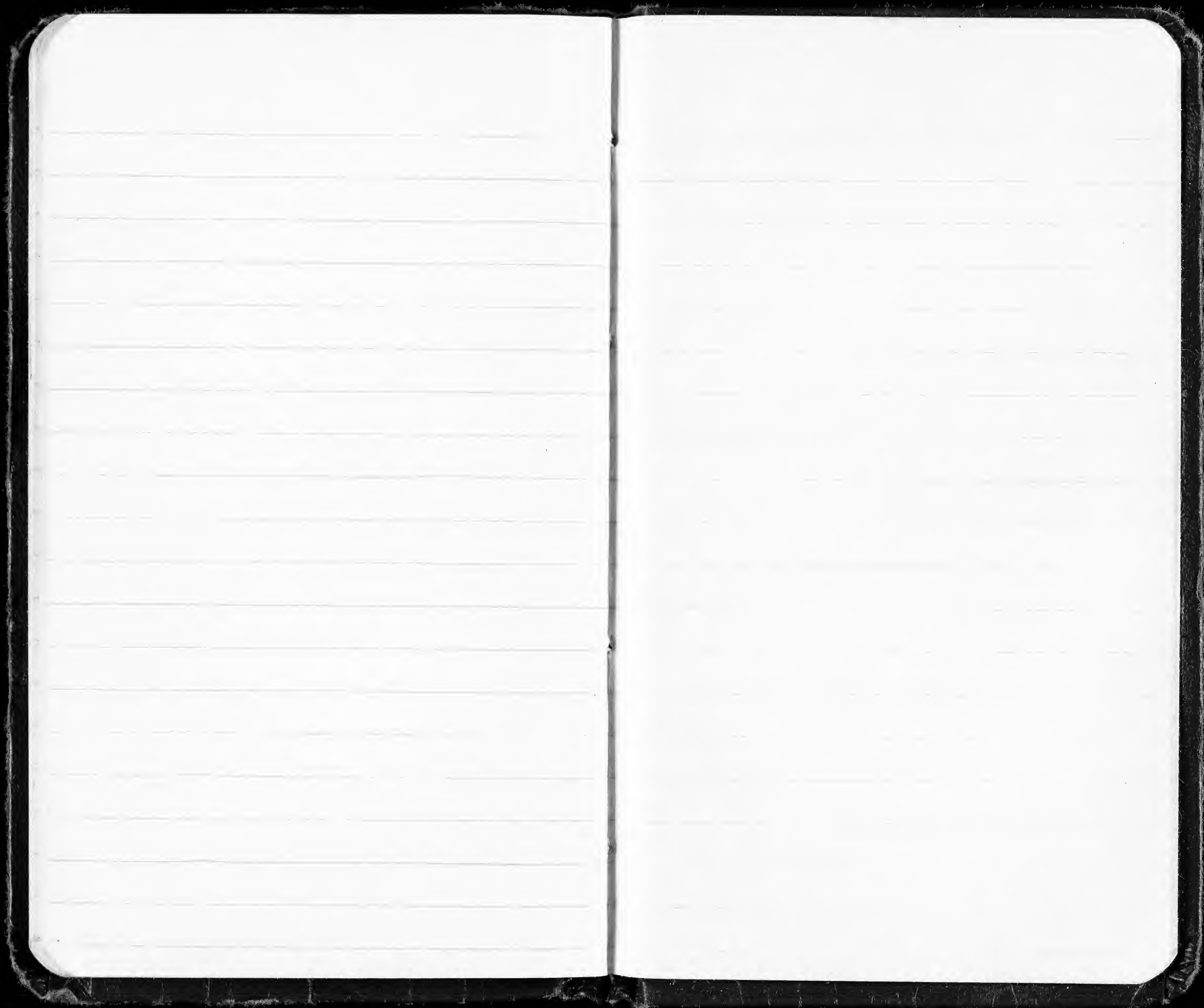
Long slightly de curved reddish
bill Black Tip. Greenish body
Med size. Dull purplish throat
before Tail.

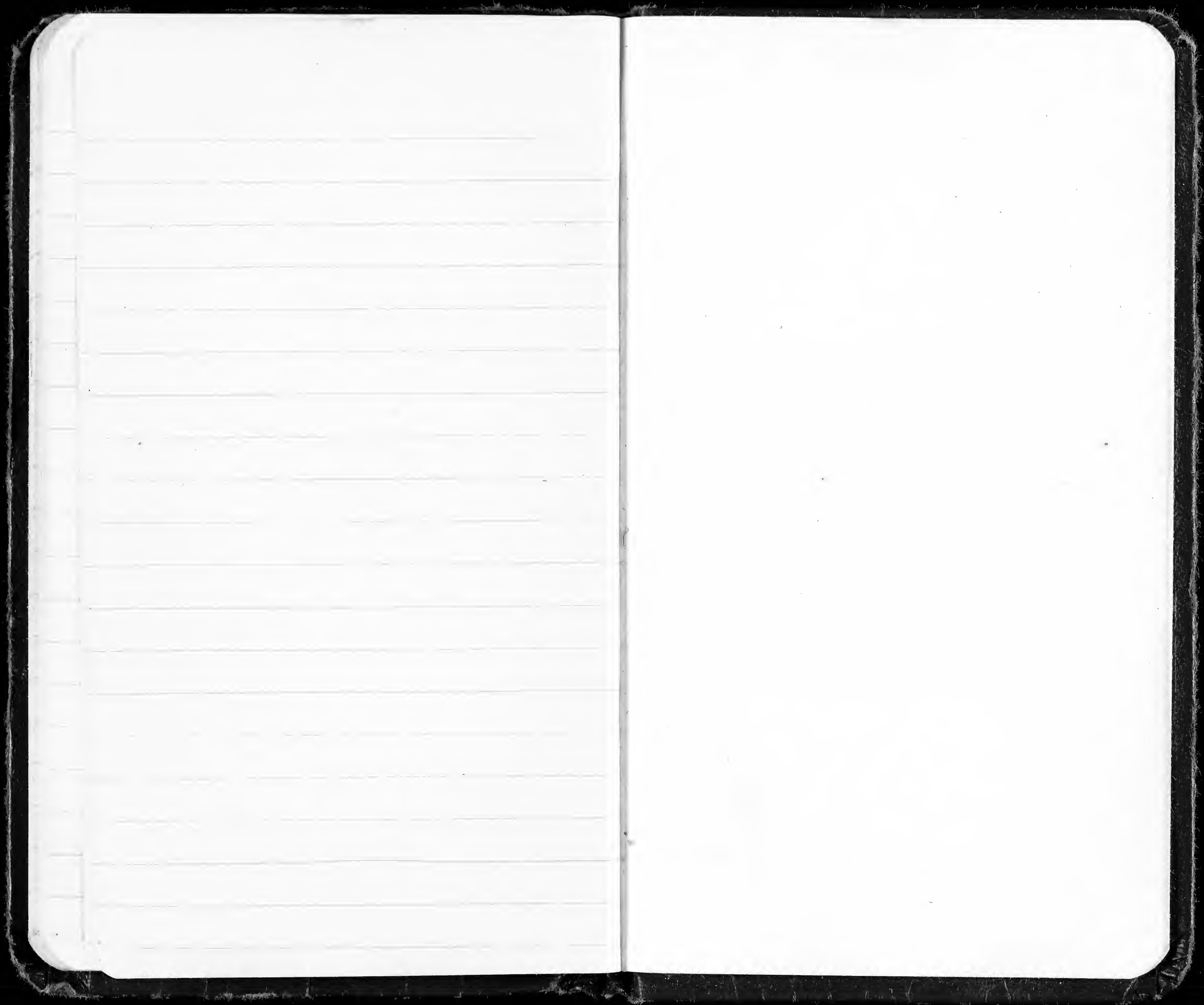
9. Oriole? - Reddish orange Brown
head, the, wings, Tail

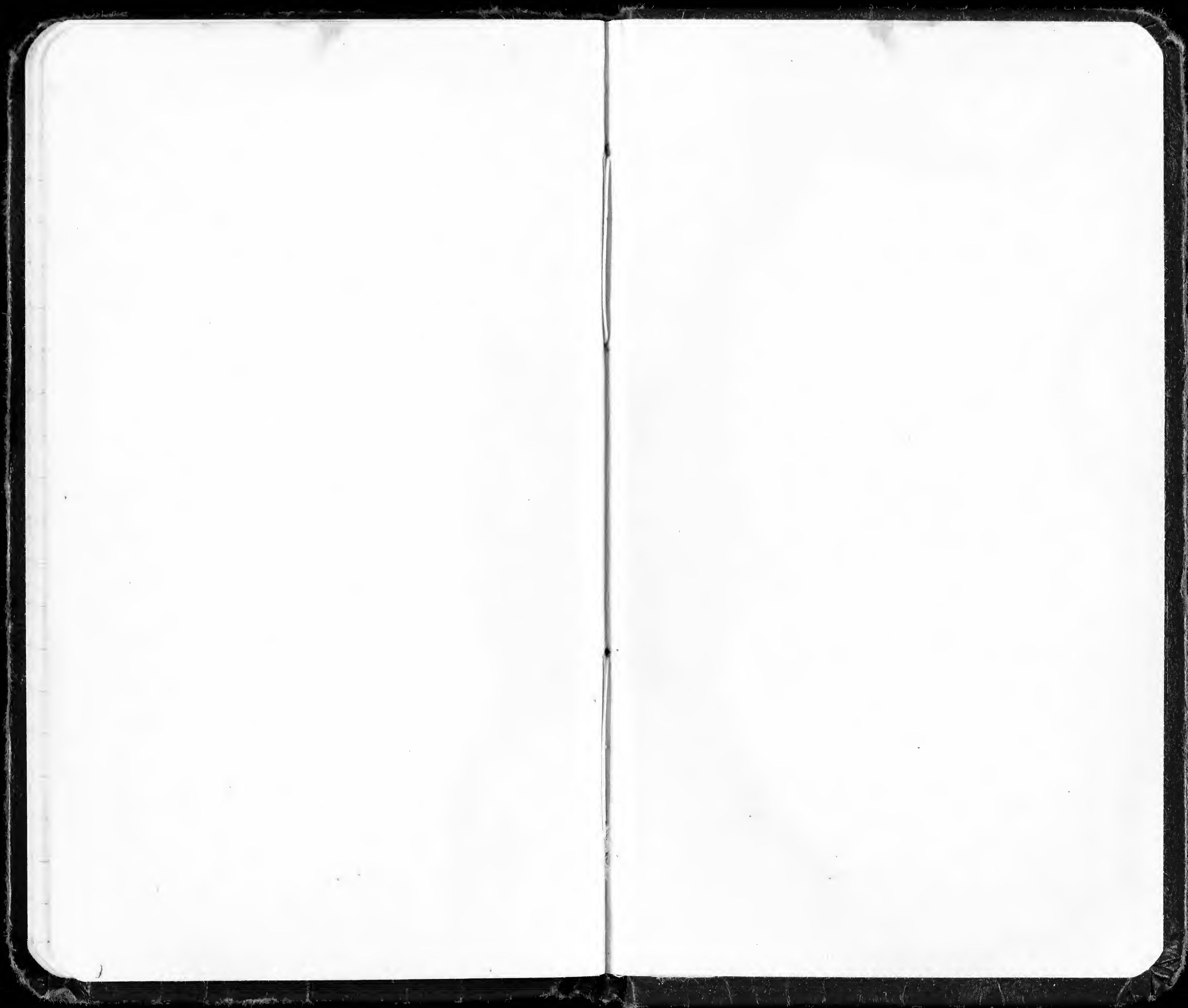
11. Gnatcatcher - Little larger than
H Dove. Side of head
white - white - Bl back

11- Columba light gray head & under
Brown back & wing, unmarked
Tail white-tipped Woods









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